12/17/82 U6660-3.4 A

ISSN 0071-6030

P·S· Population Studies

An evaluation of population estimates

Stanley K. Smith, Population Program Director

The Bureau of Economic and Business Research (BEBR) has made annual population estimates for every city and county in Florida since 1972. These population estimates have been used for many purposes, including the allocation of state revenue-sharing funds and the planning of many public and private investments. With so many critical decisions being affected by these estimates, it is important to carefully evaluate their precision, bias and consistency. The recent publication of 1980 census results makes possible such an evaluation. This bulletin will assess the accuracy of the BEBR population estimates, focusing on the size and direction of error, sources of error and comparisons with other estimation methodologies.

Size and direction of errors

Table 1 summarizes the population estimation errors for the 389 incorporated cities and towns in Florida. Several conclusions can be drawn from this table. First, there is a strong negative relationship between size of place and level of error: the larger the population size, the smaller the average percentage error. For places with fewer than 1,000 people in 1970, the average estimation error is 27.4 percent; for places between 1,000 and 9,999 the average error is 10.4 percent; and for places with greater than 10,000 the average error is 4.9 percent. Furthermore, more than half of the small cities have large errors (greater than 15 percent) while none of the largest cities have large errors. Conversely, more than half of the largest cities have small errors (less than 5 percent) while only a few smaller cities have small errors.

Second, the estimates are almost equally divided between under- and over-estimates. The estimates are too high in 196 cities and too low in 193. These figures indicate a virtually complete lack of bias in the estimating technique for cities. Furthermore, this characteristic generally holds true for all size-of-place categories. There is no correlation between size of place and direction of bias.

Comparison with other estimation methodologies

The overall average error for cities is 15.5 percent. Does this

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Bulletin No. 58 **December, 1981**

This public document was promulgated at an annual cost of $48.18 or $ .06 per copy to make available information about population in Florida. The sales cost of this publication was set to cover the total cost of producing it. The "annual cost" to the Bureau shown above is only that part of the cost paid out of state funds.

Table 1.—Errors in population estimates for cities

Size - 1970	Number	Error (percent)	Hi	Lo	Distribution of errors (percent) Less than 5	5-10	10-15	15+
50,000+	13	3.7	6	7	11	0	2	0
25,000-49,999	15	4.1	6	9	10	5	0	0
10,000-24,999	39	5.6	25	14	21	12	4	2
2,500-9,999	116	8.1	62	54	46	35	20	15
1,000-2,499	67	14.4	32	35	21	15	10	21
500-999	56	20.4	28	28	13	12	3	28
100-499	65	27.8	29	36	6	12	12	35
Less than 100	18	47.8	8	10	1	1	0	16
Total	389	15.5	196	193	129	92	51	117

level of error indicate a good, bad or average performance? How does one evaluate the performance of a population estimation technique? While there are not any universally accepted standards for judging errors, the BEBR estimates can be evaluated by comparing their errors with those produced by other estimation methods.

Table 2 provides the basis for such a comparison, showing the average errors for counties produced by the BEBR estimates and the errors produced by two methods used by the U.S. Bureau of the Census. (City estimates produced by the U.S. Bureau of the Census are not yet available.) The top half of this table shows average absolute percentage errors (sign excluded), providing measures of the precision of the three methods. The bottom half shows average algebraic percentage errors (sign included), providing measures of the bias of the methods.

The U.S. Bureau of the Census uses three different methods for making county population estimates. The numbers shown here are from the preliminary estimates produced by Component II (COMP) and Ratio Correlation (REGR). Estimates produced by the third method, Administrative Records, are not yet available.

Table 2 shows the BEBR estimates to be better than those produced by the U.S. Bureau of the Census. The BEBR estimates are more precise, as indicated by the overall average absolute error of 5.3 percent, compared to 7.8 and 6.3 percent for the other two methods. More importantly, the BEBR estimates are considerably less biased, as indicated by the overall average algebraic error of -2.9 percent, compared to -7.1 and -5.4 percent for the other two methods. Furthermore, at the state level the BEBR error is only -2.6 percent, compared to -6.4 and -6.3 percent for the other two methods. According to all three criteria, the BEBR estimates perform better than the estimates produced by the U.S. Bureau of the Census.

Table 2.—Errors in population estimates for counties

Size - 1970	Number	BEBR	COMP	REGR
Average absolute percentage error				
Less than 15,000	25	5.5	7.5	5.0
15,000-49,999	18	7.1	8.7	8.3
50,000-99,999	9	4.6	8.9	7.3
100,000+	15	3.1	6.6	5.6
Total	67	5.3	7.8	6.3
Average algebraic percentage error				
Less than 15,000	25	-1.1	-5.8	-2.6
15,000-49,999	18	-5.8	-8.5	-8.1
50,000-99,999	9	-3.9	-8.7	-7.2
100,000+	15	-1.8	-6.5	-5.6
Total	67	-2.9	-7.1	-5.4

A few words concerning the apparent downward bias in the BEBR county population estimates may be in order. The errors reported here are the differences between the estimates and the 1980 Census enumeration. However, an evaluation of the census itself has not yet been made. Certainly it contains some errors, as all large censuses do. Most important for evaluating estimation bias is the degree of undercount in the census. In 1970 the undercount was estimated as 2.5 percent for the nation as a whole and 5 to 6 percent for Florida. Preliminary evidence indicates that the undercount may have been considerably smaller in 1980 than it was in 1970. If this situation proves to be true, the underestimate of population shown in Table 2 may be caused primarily by a more nearly complete census count rather than by a downward bias in the estimation methodology.

Table 3.--Errors in estimates of households and PPH for counties

Size - 1970	Number	Households	PPH
Average absolute percentage error			
Less than 15,000	25	7.5	4.9
15,000-49,999	18	6.3	5.8
50,000-99,999	9	4.6	5.1
100,000+	15	4.0	3.2
Total	67	6.0	4.8
Average algebraic percentage error			
Less than 15,000	25	3.9	-4.6
15,000-49,999	18	-1.5	-1.8
50,000-99,999	9	-0.7	-3.2
100,000+	15	0.8	-2.5
Total	67	1.1	-3.2

Sources of error

The BEBR estimates are produced using the housing unit method of population estimation. The two main components of this method are the number of households and the average number of persons per household (PPH). These two components must therefore be the primary sources of error in the BEBR population estimates.

Table 3 shows the average absolute and algebraic percentage errors for household and PPH estimates for counties. Although the differences in absolute errors are not large, the errors for estimates of households are somewhat larger than the errors for estimates of PPH. That is, estimates of PPH are slightly more precise than estimates of households, on the average. Large differences occur in the algebraic errors. Estimates of households have a small upward bias, as indicated by the overall average algebraic error of 1.1 percent. Estimates of PPH, on the other hand, have a considerably larger downward bias, as indicated by the overall average algebraic error of -3.2 percent. While the estimates of households and PPH share fairly equally in determining the precision of the BEBR county population estimates, the small downward bias seen in Table 2 is caused primarily by the estimates of PPH.

Summary and conclusions

The 1980 population estimates produced by the BEBR were 2.6 percent below the 1980 Census count at the state level, with an average error of 5.3 percent for counties and 15.5 percent for cities (4.9 percent for cities with greater than 10,000 population). For cities there is virtually no evidence of bias, as 196 estimates were too high and 193 too low. For counties there is some indication of a downward bias, as 23 estimates were too high and 44 too low, with an overall average algebraic error of -2.9 percent. This downward bias is caused primarily by the estimates of PPH, which had an average algebraic error of -3.2 percent compared to 1.1 percent for estimates of households.

We believe this performance is quite good. Florida is a very difficult state in which to estimate population. Growth rates are very high; many people live in the state for only part of the year; large numbers of legal and illegal foreign immigrants enter the state and the age and ethnic structure of the population is changing very rapidly. These factors add to the uncertainty of population estimates. Yet the BEBR estimation procedures

performed very well and were more precise and less biased than the estimates produced by the U.S. Bureau of the Census, the nation's leading practitioner of demographic techniques. All of this evidence reflects very favorably on the BEBR estimation procedures.

Of course, improvements in the BEBR estimation procedures can still be made. Some errors, particularly for small towns, are much too large. New indicators of households can be devised. Better estimates of PPH can be developed. Measures of seasonality must be explored. Alternatives to the housing unit method can be tested. A great deal remains to be done to improve the quality of local population estimates. But given the current state of the art and the complexity of Florida population dynamics, the techniques used and the estimates produced by the BEBR have stood up very well in testing against 1980 Census results.

Note: The 1980 Census counts used in this evaluation are those reported by the U.S. Bureau of the Census in April, 1981. Since that time, a number of adjustments to these counts have been made. These adjustments are very small at the state and county levels, but are sometimes significant for small towns. While the adjusted counts were not available at the time this empirical analysis was performed, their use in future analysis is not expected to have a large effect on the results reported here.

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Bureau of Economic and Business Research
University of Florida
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Gainesville, Florida 32611

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12/17/82 U6660-3.5 A

ISSN 0071-6030

P. S. Studies

POPULATION

Population of Florida counties by age and sex: April 1, 1980

Stanley K. Smith, Population Program Director
and
Faith Sincich, Assistant in Research

The United States population grew considerably older during the decade of the 1970s. The population age 65 and older grew by 27 percent, from 20.1 million in 1970 to 25.5 million in 1980, while the proportion of persons age 65 and older rose from 9.8 percent to 11.3 percent. The median age of the United States population (the age at which exactly half are older and half are younger) rose from 27.9 to 30.0.

The trend toward an older population was even more pronounced in Florida than the United States as a whole. The number of persons age 65 and older grew from 989,000 in 1970 to 1,688,000 in 1980, an increase of 71 percent. The proportion of the population age 65 and older increased from 14.6 percent to 17.3 percent. The median age of the Florida population rose from 32.3 to 34.7.

The distribution of elderly population throughout the state is far from even. Some counties have very large numbers of older people, other counties have relatively few. Charlotte County has the oldest population in Florida, with a median age of 57.1 in 1980 and a proportion of 34.0 percent age 65 and older. The population of Pasco, Sarasota, Citrus and Pinellas counties is also old, with median ages greater than 45 and proportions of more than 27 percent of the population age 65 or above. By far the largest numbers of older people, however, live in Dade, Broward, Pinellas and Palm Beach counties. The first three counties have more than 200,000 persons age 65 and older, while the latter has more than 134,000.

The present publication provides information not only on the elderly population, but on all age groups. Specifically, it reports the permanent resident population by age and sex for Florida and each of its 67 counties, as of April 1, 1980. The numbers shown herein have been taken from Summary Tape File 1-A of the 1980 Census. They are not yet available in printed form from the U.S. Bureau of the Census. For further information on the availability of 1980 Census data, please contact the Bureau of Economic and Business Research.

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Bulletin No. 59 **March, 1982**

This public document was promulgated at an annual cost of $48.18 or $.06 per copy to make available information about population in Florida. The sales cost of this publication was set to cover the total cost of producing it. The "annual cost" to the Bureau shown above is only that part of the cost paid out of state funds.

Permanent resident population by age and sex for Florida and its 67 counties: April 1, 1980

COUNTY	AGE	TOTAL	FEMALE	MALE
ALACHUA	0-4	9,719	4,729	4,990
	5-9	9,314	4,592	4,722
	10-14	9,690	4,745	4,945
	15-19	18,079	8,994	9,085
	20-24	28,686	13,426	15,260
	25-34	30,205	14,624	15,581
	35-44	14,521	7,414	7,107
	45-54	10,775	5,580	5,195
	55-64	9,612	5,147	4,465
	65-74	6,812	3,824	2,988
	75+	3,935	2,489	1,446
	18+	115,911	58,237	57,674
	TOTAL	151,348	75,564	75,784
BAKER	0-4	1,270	611	659
	5-9	1,403	676	727
	10-14	1,476	725	751
	15-19	1,464	704	760
	20-24	1,454	630	824
	25-34	2,407	1,169	1,238
	35-44	1,859	914	945
	45-54	1,505	761	744
	55-64	1,111	562	549
	65-74	860	457	403
	75+	480	295	185
	18+	10,265	5,062	5,203
	TOTAL	15,289	7,504	7,785
BAY	0-4	7,158	3,452	3,706
	5-9	7,812	3,785	4,027
	10-14	7,800	3,776	4,024
	15-19	9,539	4,629	4,910
	20-24	9,418	4,654	4,764
	25-34	15,404	7,645	7,759
	35-44	11,511	6,010	5,501
	45-54	10,505	5,426	5,079
	55-64	9,336	4,984	4,352
	65-74	6,264	3,469	2,795
	75+	2,993	1,866	1,127
	18+	69,289	35,946	33,343
	TOTAL	97,740	49,696	48,044
BRADFORD	0-4	1,441	715	726
	5-9	1,545	731	814
	10-14	1,588	755	833
	15-19	1,723	874	849
	20-24	1,678	727	951
	25-34	3,476	1,340	2,136
	35-44	2,494	1,070	1,424
	45-54	2,096	992	1,104
	55-64	1,897	944	953
	65-74	1,349	729	620
	75+	736	429	307
	18+	14,360	6,544	7,816
	TOTAL	20,023	9,306	10,717
BREVARD	0-4	14,788	7,319	7,469
	5-9	16,693	8,217	8,476
	10-14	20,549	10,025	10,524
	15-19	26,511	12,647	13,864
	20-24	24,154	11,270	12,884
	25-34	36,358	17,877	18,481
	35-44	31,689	16,625	15,064
	45-54	33,294	17,112	16,182
	55-64	34,257	17,968	16,289
	65-74	23,877	12,499	11,378
	75+	10,789	6,463	4,326
	18+	204,925	104,794	100,131
	TOTAL	272,959	138,022	134,937
BROWARD	0-4	49,856	24,489	25,367
	5-9	56,090	27,463	28,627
	10-14	64,408	31,798	32,610
	15-19	71,176	35,492	35,684
	20-24	74,123	38,267	35,856
	25-34	148,621	74,920	73,701
	35-44	107,194	54,040	53,154
	45-54	98,688	51,965	46,723
	55-64	124,362	71,057	53,305
	65-74	144,601	81,070	63,531
	75+	79,081	44,082	34,999
	18+	803,970	429,302	374,668
	TOTAL	1,018,200	534,643	483,557
CALHOUN	0-4	715	357	358
	5-9	722	373	349
	10-14	865	412	453
	15-19	835	412	423
	20-24	657	358	299
	25-34	1,179	602	577
	35-44	1,024	531	493
	45-54	908	476	432
	55-64	964	512	452
	65-74	906	497	409
	75+	519	324	195
	18+	6,443	3,435	3,008
	TOTAL	9,294	4,854	4,440
CHARLOTTE	0-4	2,071	1,021	1,050
	5-9	2,336	1,166	1,170
	10-14	2,759	1,360	1,399
	15-19	3,219	1,555	1,664
	20-24	2,526	1,239	1,287
	25-34	4,890	2,523	2,367
	35-44	4,163	2,223	1,940
	45-54	5,261	2,933	2,328
	55-64	11,380	6,501	4,879
	65-74	13,465	7,011	6,454
	75+	6,390	3,466	2,924
	18+	49,205	26,481	22,724
	TOTAL	58,460	30,998	27,462
CITRUS	0-4	2,292	1,054	1,238
	5-9	2,669	1,291	1,378
	10-14	3,170	1,550	1,620
	15-19	3,436	1,682	1,754
	20-24	2,528	1,366	1,162
	25-34	5,003	2,554	2,449
	35-44	4,439	2,314	2,125
	45-54	5,290	2,967	2,323
	55-64	10,006	5,638	4,368
	65-74	11,200	5,555	5,645
	75+	4,670	2,471	2,199
	18+	44,295	23,467	20,828
	TOTAL	54,703	28,442	26,261
CLAY	0-4	4,903	2,444	2,459
	5-9	6,153	3,050	3,103
	10-14	7,039	3,427	3,612
	15-19	6,933	3,368	3,565
	20-24	4,468	2,264	2,204
	25-34	10,954	5,818	5,136
	35-44	10,210	5,202	5,008
	45-54	6,606	3,197	3,409
	55-64	4,855	2,485	2,370
	65-74	2,951	1,631	1,320
	75+	1,980	1,199	781
	18+	44,323	22,933	21,390
	TOTAL	67,052	34,085	32,967

Permanent resident population by age and sex for Florida and its 67 counties: April 1, 1980 (continued)

COUNTY	AGE	TOTAL	FEMALE	MALE
COLLIER	0-4	4,985	2,388	2,597
	5-9	5,085	2,489	2,596
	10-14	5,804	2,878	2,926
	15-19	6,475	3,123	3,352
	20-24	6,153	3,012	3,141
	25-34	11,477	5,558	5,919
	35-44	8,806	4,394	4,412
	45-54	8,464	4,425	4,039
	55-64	12,332	6,679	5,653
	65-74	11,715	5,922	5,793
	75+	4,675	2,440	2,235
	18+	66,102	33,619	32,483
	TOTAL	85,971	43,308	42,663
COLUMBIA	0-4	2,930	1,402	1,528
	5-9	2,978	1,449	1,529
	10-14	3,126	1,540	1,586
	15-19	3,423	1,738	1,685
	20-24	3,023	1,562	1,461
	25-34	5,260	2,729	2,531
	35-44	4,106	2,080	2,026
	45-54	3,569	1,809	1,760
	55-64	3,389	1,745	1,644
	65-74	2,309	1,253	1,056
	75+	1,286	767	519
	18+	24,285	12,632	11,653
	TOTAL	35,399	18,074	17,325
DADE	0-4	94,551	46,122	48,429
	5-9	101,591	49,576	52,015
	10-14	111,604	54,663	56,941
	15-19	136,536	68,351	68,185
	20-24	133,480	68,613	64,867
	25-34	240,796	125,972	114,824
	35-44	192,847	101,302	91,545
	45-54	187,495	97,914	89,581
	55-64	171,595	93,752	77,843
	65-74	149,550	87,890	61,660
	75+	105,736	63,744	41,992
	18+	1,235,784	666,754	569,030
	TOTAL	1,625,781	857,899	767,882
DE SOTO	0-4	1,220	633	587
	5-9	1,407	678	729
	10-14	1,508	750	758
	15-19	1,715	797	918
	20-24	1,672	645	1,027
	25-34	2,566	1,251	1,315
	35-44	1,947	987	960
	45-54	1,813	974	839
	55-64	2,102	1,154	948
	65-74	2,005	1,041	964
	75+	1,084	612	472
	18+	13,864	6,947	6,917
	TOTAL	19,039	9,522	9,517
DIXIE	0-4	549	281	268
	5-9	554	271	283
	10-14	693	331	362
	15-19	728	325	403
	20-24	552	261	291
	25-34	1,124	517	607
	35-44	933	434	499
	45-54	785	393	392
	55-64	896	458	438
	65-74	641	320	321
	75+	296	162	134
	18+	5,504	2,664	2,840
	TOTAL	7,751	3,753	3,998
DUVAL	0-4	43,178	21,311	21,867
	5-9	44,467	21,898	22,569
	10-14	44,947	21,867	23,080
	15-19	51,690	25,673	26,017
	20-24	58,382	28,624	29,758
	25-34	99,057	50,465	48,592
	35-44	62,995	32,730	30,265
	45-54	57,297	30,249	27,048
	55-64	53,827	28,938	24,889
	65-74	34,894	20,501	14,393
	75+	20,269	13,698	6,571
	18+	407,675	215,629	192,046
	TOTAL	571,003	295,954	275,049
ESCAMBIA	0-4	17,261	8,425	8,836
	5-9	17,714	8,588	9,126
	10-14	18,899	9,263	9,636
	15-19	23,791	11,631	12,160
	20-24	24,824	11,933	12,891
	25-34	37,710	18,961	18,749
	35-44	26,597	13,899	12,698
	45-54	24,409	12,933	11,476
	55-64	21,842	11,676	10,166
	65-74	13,470	7,705	5,765
	75+	7,277	4,858	2,419
	18+	166,352	86,927	79,425
	TOTAL	233,794	119,872	113,922
FLAGLER	0-4	615	314	301
	5-9	666	316	350
	10-14	722	341	381
	15-19	772	376	396
	20-24	671	359	312
	25-34	1,289	665	624
	35-44	971	492	479
	45-54	1,097	600	497
	55-64	2,107	1,170	937
	65-74	1,507	696	811
	75+	496	287	209
	18+	8,429	4,413	4,016
	TOTAL	10,913	5,616	5,297
FRANKLIN	0-4	569	278	291
	5-9	583	288	295
	10-14	652	322	330
	15-19	805	372	433
	20-24	551	270	281
	25-34	945	487	458
	35-44	876	451	425
	45-54	724	348	376
	55-64	811	429	382
	65-74	684	364	320
	75+	461	299	162
	18+	5,309	2,784	2,525
	TOTAL	7,661	3,908	3,753
GADSDEN	0-4	3,598	1,776	1,822
	5-9	3,788	1,869	1,919
	10-14	3,881	1,910	1,971
	15-19	4,214	2,096	2,118
	20-24	3,426	1,793	1,633
	25-34	6,000	3,058	2,942
	35-44	4,022	2,169	1,853
	45-54	3,892	2,192	1,700
	55-64	3,719	2,059	1,660
	65-74	3,061	1,726	1,335
	75+	1,964	1,303	661
	18+	27,592	15,074	12,518
	TOTAL	41,565	21,951	19,614

Permanent resident population by age and sex for Florida and its 67 counties: April 1, 1980 (continued)

COUNTY	AGE	TOTAL	FEMALE	MALE	COUNTY	AGE	TOTAL	FEMALE	MALE
GILCHRIST	0-4	394	196	198	HENDRY	0-4	1,636	783	853
	5-9	430	220	210		5-9	1,760	914	846
	10-14	513	236	277		10-14	1,879	932	947
	15-19	670	308	362		15-19	1,810	886	924
	20-24	423	209	214		20-24	1,481	737	744
	25-34	705	351	354		25-34	2,747	1,389	1,358
	35-44	734	383	351		35-44	2,198	1,068	1,130
	45-54	644	327	317		45-54	1,787	876	911
	55-64	620	313	307		55-64	1,701	841	860
	65-74	423	226	197		65-74	1,104	551	553
	75+	211	115	96		75+	496	254	242
	18+	4,000	2,029	1,971		18+	12,098	6,011	6,087
	TOTAL	5,767	2,884	2,883		TOTAL	18,599	9,231	9,368
GLADES	0-4	451	233	218	HERNANDO	0-4	2,108	1,089	1,019
	5-9	442	229	213		5-9	2,503	1,253	1,250
	10-14	467	226	241		10-14	2,756	1,349	1,407
	15-19	506	251	255		15-19	3,149	1,548	1,601
	20-24	391	204	187		20-24	2,316	1,176	1,140
	25-34	707	371	336		25-34	4,337	2,217	2,120
	35-44	604	309	295		35-44	3,909	2,021	1,888
	45-54	706	354	352		45-54	4,284	2,346	1,938
	55-64	837	418	419		55-64	8,254	4,638	3,616
	65-74	612	302	310		65-74	7,818	3,836	3,982
	75+	269	139	130		75+	3,035	1,596	1,439
	18+	4,297	2,167	2,130		18+	35,049	18,365	16,684
	TOTAL	5,992	3,036	2,956		TOTAL	44,469	23,069	21,400
GULF	0-4	809	398	411	HIGHLANDS	0-4	2,604	1,288	1,316
	5-9	914	438	476		5-9	2,781	1,352	1,429
	10-14	895	426	469		10-14	2,982	1,435	1,547
	15-19	1,064	506	558		15-19	3,440	1,611	1,829
	20-24	794	408	386		20-24	2,959	1,423	1,536
	25-34	1,349	692	657		25-34	5,047	2,425	2,622
	35-44	1,179	633	546		35-44	4,083	2,127	1,956
	45-54	1,293	620	673		45-54	4,329	2,291	2,038
	55-64	1,152	631	521		55-64	6,774	3,761	3,013
	65-74	822	436	386		65-74	8,053	4,279	3,774
	75+	387	215	172		75+	4,474	2,486	1,988
	18+	7,370	3,836	3,534		18+	37,068	19,417	17,651
	TOTAL	10,658	5,403	5,255		TOTAL	47,526	24,478	23,048
HAMILTON	0-4	794	392	402	HILLSBOROUGH	0-4	42,388	20,496	21,892
	5-9	856	424	432		5-9	47,120	23,089	24,031
	10-14	874	405	469		10-14	51,364	25,258	26,106
	15-19	831	409	422		15-19	59,949	29,908	30,041
	20-24	673	361	312		20-24	62,582	32,106	30,476
	25-34	1,255	678	577		25-34	106,691	54,501	52,190
	35-44	860	445	415		35-44	74,839	38,466	36,373
	45-54	715	380	335		45-54	65,665	33,801	31,864
	55-64	744	397	347		55-64	62,049	33,245	28,804
	65-74	745	425	320		65-74	46,465	26,123	20,342
	75+	414	274	140		75+	27,848	17,441	10,407
	18+	5,707	3,109	2,598		18+	470,930	248,234	222,696
	TOTAL	8,761	4,590	4,171		TOTAL	646,960	334,434	312,526
HARDEE	0-4	1,683	811	872	HOLMES	0-4	1,015	489	526
	5-9	1,799	878	921		5-9	1,144	551	593
	10-14	1,827	864	963		10-14	1,350	637	713
	15-19	1,908	920	988		15-19	1,357	652	705
	20-24	1,465	717	748		20-24	996	502	494
	25-34	2,785	1,428	1,357		25-34	1,856	954	902
	35-44	2,012	1,021	991		35-44	1,737	911	826
	45-54	1,867	924	943		45-54	1,505	762	743
	55-64	1,829	943	886		55-64	1,637	853	784
	65-74	1,429	720	709		65-74	1,361	748	613
	75+	775	462	313		75+	765	462	303
	18+	12,875	6,556	6,319		18+	10,365	5,431	4,934
	TOTAL	19,379	9,688	9,691		TOTAL	14,723	7,521	7,202

Permanent resident population by age and sex for Florida and its 67 counties: April 1, 1980 (continued)

COUNTY	AGE	TOTAL	FEMALE	MALE
INDIAN RIVER	0-4	3,281	1,620	1,661
	5-9	3,467	1,690	1,777
	10-14	4,064	2,022	2,042
	15-19	4,742	2,182	2,560
	20-24	4,279	2,063	2,216
	25-34	7,451	3,655	3,796
	35-44	5,791	2,946	2,845
	45-54	6,123	3,266	2,857
	55-64	8,518	4,631	3,887
	65-74	8,079	4,281	3,798
	75+	4,101	2,311	1,790
	18+	46,159	23,971	22,188
	TOTAL	59,896	30,667	29,229
JACKSON	0-4	2,910	1,436	1,474
	5-9	3,120	1,517	1,603
	10-14	3,099	1,490	1,609
	15-19	4,016	1,766	2,250
	20-24	3,485	1,433	2,052
	25-34	5,259	2,615	2,644
	35-44	4,096	2,135	1,961
	45-54	3,899	2,030	1,869
	55-64	3,840	2,136	1,704
	65-74	3,476	1,968	1,508
	75+	1,954	1,270	684
	18+	27,571	14,279	13,292
	TOTAL	39,154	19,796	19,358
JEFFERSON	0-4	924	442	482
	5-9	979	478	501
	10-14	958	452	506
	15-19	1,038	510	528
	20-24	819	415	404
	25-34	1,533	814	719
	35-44	981	533	448
	45-54	1,011	519	492
	55-64	1,042	578	464
	65-74	830	449	381
	75+	588	353	235
	18+	7,162	3,845	3,317
	TOTAL	10,703	5,543	5,160
LAFAYETTE	0-4	360	186	174
	5-9	349	171	178
	10-14	360	168	192
	15-19	368	178	190
	20-24	291	159	132
	25-34	596	302	294
	35-44	442	222	220
	45-54	386	186	200
	55-64	392	203	189
	65-74	314	162	152
	75+	177	97	80
	18+	2,725	1,394	1,331
	TOTAL	4,035	2,034	2,001
LAKE	0-4	5,623	2,739	2,884
	5-9	6,062	3,019	3,043
	10-14	6,938	3,391	3,547
	15-19	8,004	3,975	4,029
	20-24	6,135	3,115	3,020
	25-34	11,596	5,861	5,735
	35-44	9,841	5,039	4,802
	45-54	9,904	5,156	4,748
	55-64	14,127	7,927	6,200
	65-74	17,130	9,264	7,866
	75+	9,510	5,385	4,125
	18+	81,114	43,209	37,905
	TOTAL	104,870	54,871	49,999
LEE	0-4	11,029	5,486	5,543
	5-9	11,866	5,736	6,130
	10-14	12,995	6,428	6,567
	15-19	14,649	7,196	7,453
	20-24	13,569	6,886	6,683
	25-34	25,645	13,066	12,579
	35-44	19,240	9,873	9,367
	45-54	19,742	10,642	9,100
	55-64	30,660	16,958	13,702
	65-74	31,419	16,443	14,976
	75+	14,452	7,922	6,530
	18+	160,211	84,488	75,723
	TOTAL	205,266	106,636	98,630
LEON	0-4	10,043	4,969	5,074
	5-9	10,547	5,173	5,374
	10-14	10,251	4,959	5,292
	15-19	16,240	8,579	7,661
	20-24	24,286	12,847	11,439
	25-34	29,671	14,838	14,833
	35-44	16,099	8,201	7,898
	45-54	11,623	6,067	5,556
	55-64	10,131	5,474	4,657
	65-74	6,306	3,678	2,628
	75+	3,458	2,282	1,176
	18+	111,059	58,630	52,429
	TOTAL	148,655	77,067	71,588
LEVY	0-4	1,339	650	689
	5-9	1,450	706	744
	10-14	1,656	802	854
	15-19	1,687	828	859
	20-24	1,347	711	636
	25-34	2,574	1,379	1,195
	35-44	2,065	1,068	997
	45-54	2,079	1,062	1,017
	55-64	2,570	1,400	1,170
	65-74	2,108	1,053	1,055
	75+	995	573	422
	18+	14,332	7,548	6,784
	TOTAL	19,870	10,232	9,638
LIBERTY	0-4	363	175	188
	5-9	345	159	186
	10-14	364	166	198
	15-19	349	173	176
	20-24	362	166	196
	25-34	588	307	281
	35-44	444	218	226
	45-54	488	253	235
	55-64	441	241	200
	65-74	344	184	160
	75+	172	92	80
	18+	2,989	1,542	1,447
	TOTAL	4,260	2,134	2,126
MADISON	0-4	1,179	590	589
	5-9	1,331	676	655
	10-14	1,388	691	697
	15-19	1,522	723	799
	20-24	1,115	593	522
	25-34	1,860	992	868
	35-44	1,478	798	680
	45-54	1,403	761	642
	55-64	1,499	827	672
	65-74	1,372	792	580
	75+	747	465	282
	18+	10,011	5,479	4,532
	TOTAL	14,894	7,908	6,986

Permanent resident population by age and sex for Florida and its 67 counties: April 1, 1980 (continued)

COUNTY	AGE	TOTAL	FEMALE	MALE
MANATEE	0-4	7,702	3,692	4,010
	5-9	8,265	4,037	4,228
	10-14	8,996	4,381	4,615
	15-19	9,861	4,903	4,958
	20-24	9,566	4,920	4,646
	25-34	17,845	9,163	8,682
	35-44	12,904	6,721	6,183
	45-54	13,419	7,338	6,081
	55-64	19,728	11,288	8,440
	65-74	23,719	13,220	10,499
	75+	16,437	9,549	6,888
	18+	117,438	64,197	53,241
	TOTAL	148,442	79,212	69,230
MARION	0-4	7,418	3,610	3,808
	5-9	8,376	4,085	4,291
	10-14	9,621	4,725	4,896
	15-19	10,142	5,159	4,983
	20-24	8,433	4,470	3,963
	25-34	15,961	8,245	7,716
	35-44	12,574	6,576	6,098
	45-54	12,578	6,747	5,831
	55-64	16,386	8,887	7,499
	65-74	14,400	7,426	6,974
	75+	6,499	3,650	2,849
	18+	90,417	47,841	42,576
	TOTAL	122,488	63,580	58,908
MARTIN	0-4	3,081	1,525	1,556
	5-9	3,503	1,699	1,804
	10-14	3,933	1,900	2,033
	15-19	4,649	2,207	2,442
	20-24	4,380	2,064	2,316
	25-34	7,671	3,761	3,910
	35-44	6,001	3,011	2,990
	45-54	5,905	3,060	2,845
	55-64	9,237	5,195	4,042
	65-74	10,329	5,480	4,849
	75+	5,325	2,838	2,487
	18+	50,805	26,304	24,501
	TOTAL	64,014	32,740	31,274
MONROE	0-4	3,076	1,481	1,595
	5-9	3,283	1,582	1,701
	10-14	3,613	1,662	1,951
	15-19	4,462	2,062	2,400
	20-24	5,762	2,658	3,104
	25-34	10,957	5,013	5,944
	35-44	6,945	3,241	3,704
	45-54	7,306	3,659	3,647
	55-64	8,857	4,530	4,327
	65-74	6,372	3,114	3,258
	75+	2,555	1,390	1,165
	18+	50,696	24,440	26,256
	TOTAL	63,188	30,392	32,796
NASSAU	0-4	2,589	1,266	1,323
	5-9	2,949	1,411	1,538
	10-14	3,177	1,554	1,623
	15-19	3,248	1,550	1,698
	20-24	2,644	1,350	1,294
	25-34	5,234	2,674	2,560
	35-44	4,237	2,133	2,104
	45-54	3,533	1,722	1,811
	55-64	2,734	1,386	1,348
	65-74	1,760	969	791
	75+	789	490	299
	18+	22,027	11,278	10,749
	TOTAL	32,894	16,505	16,389
OKALOOSA	0-4	8,424	4,152	4,272
	5-9	8,749	4,240	4,509
	10-14	9,069	4,507	4,562
	15-19	11,753	5,543	6,210
	20-24	12,607	5,568	7,039
	25-34	18,140	8,838	9,302
	35-44	14,264	7,322	6,942
	45-54	12,058	5,969	6,089
	55-64	8,483	4,253	4,230
	65-74	4,274	2,384	1,890
	75+	2,099	1,337	762
	18+	76,763	37,859	38,904
	TOTAL	109,920	54,113	55,807
OKEECHOBEE	0-4	1,682	830	852
	5-9	1,645	772	873
	10-14	1,819	840	979
	15-19	2,026	828	1,198
	20-24	1,544	778	766
	25-34	2,722	1,407	1,315
	35-44	2,226	1,120	1,106
	45-54	2,037	1,010	1,027
	55-64	2,112	1,087	1,025
	65-74	1,743	855	888
	75+	708	367	341
	18+	13,729	6,931	6,798
	TOTAL	20,264	9,894	10,370
ORANGE	0-4	30,848	15,189	15,659
	5-9	32,620	16,046	16,574
	10-14	35,916	17,465	18,451
	15-19	48,183	22,926	25,257
	20-24	49,886	24,873	25,013
	25-34	76,443	38,404	38,039
	35-44	51,015	26,508	24,507
	45-54	50,067	26,077	23,990
	55-64	46,031	24,554	21,477
	65-74	30,704	17,336	13,368
	75+	19,303	12,637	6,666
	18+	345,582	180,637	164,945
	TOTAL	471,016	242,015	229,001
OSCEOLA	0-4	3,129	1,493	1,636
	5-9	3,371	1,672	1,699
	10-14	3,596	1,782	1,814
	15-19	4,311	2,177	2,134
	20-24	3,794	1,968	1,826
	25-34	6,592	3,385	3,207
	35-44	5,383	2,756	2,627
	45-54	4,896	2,490	2,406
	55-64	5,466	2,961	2,505
	65-74	4,936	2,721	2,215
	75+	3,813	2,309	1,504
	18+	36,555	19,463	17,092
	TOTAL	49,287	25,714	23,573
PALM BEACH	0-4	29,914	14,583	15,331
	5-9	32,340	15,800	16,540
	10-14	36,074	17,799	18,275
	15-19	40,549	20,039	20,510
	20-24	41,039	20,669	20,370
	25-34	78,789	39,153	39,636
	35-44	57,085	28,496	28,589
	45-54	53,863	28,485	25,378
	55-64	72,758	41,763	30,995
	65-74	86,697	48,193	38,504
	75+	47,755	26,892	20,863
	18+	453,780	241,559	212,221
	TOTAL	576,863	301,872	274,991

Permanent resident population by age and sex for Florida and its 67 counties: April 1, 1980 (continued)

COUNTY	AGE	TOTAL	FEMALE	MALE
PASCO	0-4	8,280	4,077	4,203
	5-9	9,330	4,578	4,752
	10-14	10,859	5,405	5,454
	15-19	11,896	5,884	6,012
	20-24	9,714	4,957	4,757
	25-34	18,443	9,470	8,973
	35-44	15,267	7,822	7,445
	45-54	16,734	9,082	7,652
	55-64	33,683	19,312	14,371
	65-74	40,701	21,134	19,567
	75+	18,736	9,776	8,960
	18+	157,739	83,788	73,951
	TOTAL	193,643	101,497	92,146
PINELLAS	0-4	30,743	14,948	15,795
	5-9	36,238	17,809	18,429
	10-14	41,818	20,467	21,351
	15-19	48,558	24,151	24,407
	20-24	46,752	24,424	22,328
	25-34	89,410	45,616	43,794
	35-44	64,977	34,005	30,972
	45-54	69,590	37,673	31,917
	55-64	97,620	55,654	41,966
	65-74	113,885	65,216	48,669
	75+	88,940	53,425	35,515
	18+	589,819	325,425	264,394
	TOTAL	728,531	393,388	335,143
POLK	0-4	21,192	10,335	10,857
	5-9	23,339	11,480	11,859
	10-14	25,429	12,459	12,970
	15-19	29,120	14,412	14,708
	20-24	27,505	13,513	13,992
	25-34	47,116	22,878	24,238
	35-44	35,769	17,841	17,928
	45-54	32,657	16,614	16,043
	55-64	33,492	17,798	15,694
	65-74	29,141	16,001	13,140
	75+	16,892	10,168	6,724
	18+	234,147	120,609	113,538
	TOTAL	321,652	163,499	158,153
PUTNAM	0-4	3,570	1,736	1,834
	5-9	3,768	1,879	1,889
	10-14	4,170	1,957	2,213
	15-19	4,384	2,186	2,198
	20-24	3,613	1,889	1,724
	25-34	6,396	3,342	3,054
	35-44	4,993	2,574	2,419
	45-54	5,462	2,923	2,539
	55-64	6,534	3,521	3,013
	65-74	5,166	2,615	2,551
	75+	2,493	1,436	1,057
	18+	36,226	19,108	17,118
	TOTAL	50,549	26,058	24,491
ST. JOHNS	0-4	3,068	1,534	1,534
	5-9	3,517	1,742	1,775
	10-14	4,058	2,034	2,024
	15-19	4,892	2,457	2,435
	20-24	3,940	2,044	1,896
	25-34	7,313	3,761	3,552
	35-44	5,502	2,834	2,668
	45-54	5,461	2,855	2,606
	55-64	6,051	3,243	2,808
	65-74	4,697	2,573	2,124
	75+	2,804	1,803	1,001
	18+	37,690	20,139	17,551
	TOTAL	51,303	26,880	24,423
ST. LUCIE	0-4	6,082	2,940	3,142
	5-9	6,375	3,156	3,219
	10-14	6,389	3,122	3,267
	15-19	6,746	3,342	3,404
	20-24	6,808	3,552	3,256
	25-34	12,346	6,197	6,149
	35-44	8,473	4,198	4,275
	45-54	8,143	4,231	3,912
	55-64	11,023	6,097	4,926
	65-74	10,060	5,226	4,834
	75+	4,737	2,654	2,083
	18+	64,210	33,472	30,738
	TOTAL	87,182	44,715	42,467
SANTA ROSA	0-4	4,332	2,108	2,224
	5-9	4,440	2,109	2,331
	10-14	5,017	2,428	2,589
	15-19	5,727	2,745	2,982
	20-24	5,672	2,636	3,036
	25-34	9,086	4,542	4,544
	35-44	7,297	3,755	3,542
	45-54	5,835	2,950	2,885
	55-64	4,510	2,296	2,214
	65-74	2,759	1,521	1,238
	75+	1,313	797	516
	18+	38,588	19,516	19,072
	TOTAL	55,988	27,887	28,101
SARASOTA	0-4	7,734	3,745	3,989
	5-9	8,989	4,431	4,558
	10-14	10,913	5,357	5,556
	15-19	12,576	6,262	6,314
	20-24	11,891	6,166	5,725
	25-34	22,546	11,468	11,078
	35-44	17,401	9,130	8,271
	45-54	18,745	10,336	8,409
	55-64	30,847	17,891	12,956
	65-74	37,887	20,965	16,922
	75+	22,722	12,865	9,857
	18+	166,784	91,209	75,575
	TOTAL	202,251	108,616	93,635
SEMINOLE	0-4	11,612	5,689	5,923
	5-9	14,353	7,002	7,351
	10-14	16,246	7,944	8,302
	15-19	16,220	8,162	8,058
	20-24	13,315	6,951	6,364
	25-34	29,656	15,728	13,928
	35-44	23,903	12,292	11,611
	45-54	19,516	9,933	9,583
	55-64	17,315	9,129	8,186
	65-74	11,421	6,233	5,188
	75+	6,195	3,820	2,375
	18+	127,079	67,029	60,050
	TOTAL	179,752	92,883	86,869
SUMTER	0-4	1,468	735	733
	5-9	1,627	779	848
	10-14	1,925	909	1,016
	15-19	2,286	1,028	1,258
	20-24	2,154	795	1,359
	25-34	2,814	1,376	1,438
	35-44	2,451	1,256	1,195
	45-54	2,419	1,245	1,174
	55-64	3,074	1,657	1,417
	65-74	2,801	1,449	1,352
	75+	1,253	659	594
	18+	17,828	8,802	9,026
	TOTAL	24,272	11,888	12,384

Permanent resident population by age and sex for Florida and its 67 counties: April 1, 1980 (continued)

COUNTY	AGE	TOTAL	FEMALE	MALE
SUWANNEE	0-4	1,759	855	904
	5-9	1,801	866	935
	10-14	1,975	901	1,074
	15-19	2,092	985	1,107
	20-24	1,551	803	748
	25-34	2,995	1,522	1,473
	35-44	2,427	1,286	1,141
	45-54	2,244	1,227	1,017
	55-64	2,338	1,220	1,118
	65-74	1,976	1,073	903
	75+	1,129	702	427
	18+	15,350	8,176	7,174
	TOTAL	22,287	11,440	10,847
TAYLOR	0-4	1,283	646	637
	5-9	1,417	700	717
	10-14	1,419	702	717
	15-19	1,502	714	788
	20-24	1,352	696	656
	25-34	2,414	1,258	1,156
	35-44	1,735	895	840
	45-54	1,719	898	821
	55-64	1,596	845	751
	65-74	1,350	720	630
	75+	745	442	303
	18+	11,456	6,013	5,443
	TOTAL	16,532	8,516	8,016
UNION	0-4	581	266	315
	5-9	599	300	299
	10-14	477	225	252
	15-19	891	328	563
	20-24	1,267	248	1,019
	25-34	2,826	489	2,337
	35-44	1,355	357	998
	45-54	920	312	608
	55-64	641	271	370
	65-74	391	214	177
	75+	218	126	92
	18+	8,018	2,143	5,873
	TOTAL	10,166	3,136	7,030
VOLUSIA	0-4	12,804	6,307	6,497
	5-9	14,191	6,900	7,291
	10-14	16,378	7,936	8,442
	15-19	20,784	9,928	10,856
	20-24	20,835	9,993	10,842
	25-34	32,557	16,449	16,108
	35-44	23,514	12,356	11,158
	45-54	25,103	13,647	11,456
	55-64	34,802	19,497	15,305
	65-74	35,218	19,600	15,618
	75+	22,576	13,481	9,095
	18+	203,828	109,396	94,432
	TOTAL	258,762	136,094	122,668
WAKULLA	0-4	896	438	458
	5-9	939	458	481
	10-14	1,011	476	535
	15-19	993	466	527
	20-24	780	446	334
	25-34	1,787	914	873
	35-44	1,255	634	621
	45-54	1,037	526	511
	55-64	964	493	471
	65-74	768	384	384
	75+	457	288	169
	18+	7,369	3,837	3,532
	TOTAL	10,887	5,523	5,364
WALTON	0-4	1,383	687	696
	5-9	1,500	744	756
	10-14	1,680	786	894
	15-19	1,829	876	953
	20-24	1,469	767	702
	25-34	2,620	1,327	1,293
	35-44	2,250	1,149	1,101
	45-54	2,498	1,315	1,183
	55-64	2,676	1,407	1,269
	65-74	2,213	1,203	1,010
	75+	1,182	698	484
	18+	15,588	8,197	7,391
	TOTAL	21,300	10,959	10,341
WASHINGTON	0-4	972	482	490
	5-9	1,175	564	611
	10-14	1,278	604	674
	15-19	1,297	614	683
	20-24	960	480	480
	25-34	1,759	917	842
	35-44	1,639	853	786
	45-54	1,489	801	688
	55-64	1,686	913	773
	65-74	1,454	795	659
	75+	800	466	334
	18+	10,203	5,438	4,765
	TOTAL	14,509	7,489	7,020
FLORIDA	0-4	570,224	278,938	291,286
	5-9	621,534	304,280	317,254
	10-14	685,016	335,102	349,914
	15-19	811,340	399,882	411,458
	20-24	811,427	407,182	404,245
	25-34	1,411,411	714,867	696,544
	35-44	1,038,778	534,819	503,959
	45-54	989,160	518,994	470,166
	55-64	1,119,861	617,421	502,440
	65-74	1,059,153	588,700	470,453
	75+	628,420	370,513	257,907
	18+	7,386,688	3,915,992	3,470,696
	TOTAL	9,746,324	5,070,698	4,675,626

Population Program
Bureau of Economic and Business Research
University of Florida
221 Matherly Hall
Gainesville, Florida 32611

12/17/82 U6660-3.6 A

ISSN 0071-6030

P.S. Population Studies

Projections of Florida population by county

1983 - 2020

Stanley K. Smith
Population Program Director
Bureau of Economic and Business Research
University of Florida

People are fascinated by the future. Palm readers, astrologers and crystal ball gazers down through the centuries have found eager buyers for their predictions of future events. Modern-day researchers and forecasters, using computers and large-scale models, continue to find willing audiences for their forecasts.

There is particularly great interest in population projections, and for good reason: many types of public and private planning--for schools, hospitals, stores, houses, service stations, roads and countless other projects--require some information on future population trends. Yet the future is essentially unknowable. No matter how scientific and sophisticated our projection techniques, we cannot produce perfect predictions of future population trends. In spite of years of developing high-quality data, statistical techniques and computer hardware, we still cannot "see" into the future.

We are not completely lost, however. We can observe population trends that have occurred in the past. We can build models of population change based on these trends and the relationships between one variable and another. We can then project the changes that would occur if past trends were to continue or vary in some specified manner. While we cannot actually see into the future, we can in many instances project the approximate magnitude of future changes that are likely to occur. If they are constructed and interpreted properly, population projections can be extremely useful tools for planning and policy analysis.

Three sets of projections are published in this bulletin, giving three alternate scenarios regarding future population growth.

Population Program
BUREAU OF ECONOMIC & BUSINESS RESEARCH
B E B R
UNIVERSITY OF FLORIDA
College of
Business Administration

Bulletin No. 60 **July, 1982**

This public document was promulgated at an annual cost of $177.15 or $0.12 per copy to make available information about population in Florida. The sales cost of this publication was set to cover the total cost of producing it. The "annual cost" to the Bureau shown above is only that part of the cost paid out of state funds.

While the medium projection is more likely to be an accurate indicator of future population change than either the low or high projections (at least in the short run), the low and high projections also have some historical justification and provide an indication of the potential range in which the future population may fall.

These projections are not predictions. They are not ironclad forecasts of what the future population definitely will be. Rather, they are extrapolations of certain recent trends into the future. Since historical trends for counties occasionally change quite abruptly, the county projections should be used in conjunction with other sources of data and the informed judgments of persons with extensive knowledge of specific events in particular counties. The projections published in this bulletin provide useful benchmarks for analysis, but should not be interpreted as the only feasible scenario for future population change.

These projections have been produced by the University of Florida Bureau of Economic and Business Research through a two-stage procedure. State-level projections are made using a cohort-component technique and county-level projections are made using a variety of extrapolation techniques. All projections refer only to the permanent resident population of Florida; they to not include tourists or seasonal residents.

State projections

The starting point for the state projection is the April 1, 1980, population of Florida by age and sex, as enumerated by the United States Bureau of the Census. An adjustment is made to this population to include the Cuban entrants who came to Florida between April and July of 1980. This base population is survived forward by applying survival rates to each male and female age cohort. These survival rates are based on the Florida Life Tables for 1969-1971 (U.S. Department of Health, Education and Welfare (HRA) 75-1151). The life table survival rates are adjusted upward in 1980, 1990 and 2000 to take account of expected increases in longevity. These adjustments are based on projections of survival rates for the United States population (U.S. Bureau of the Census, Current Population Report, Series P-25, No. 601, October 1975). The application of survival rates provides a projection of the Florida population in the absence of births and migration.

Net migration is the difference between the number of people moving into an area and the number moving out. Estimates of net migration into Florida between 1970 and 1980 were made for each age-sex group using the 1970 and 1980 censuses and Florida survival rates. These ten-year net migration estimates were transformed into five-year estimates by dividing by two and adjusting for mortality. They were made into rates by dividing the net migration number for each age-sex group by the number of people in the United States population in the same age-sex group. Projections of net migration are produced by multiplying these net migration rates by projections of the United States population at the beginning of each projection period (United States Bureau of the Census, Current Population Reports, Series P-25, No. 704, July 1977).

Projections of births in Florida are based on the number of births by age of mother and the age structure of the female population in 1980. These data show Florida to have had a Total Fertility Rate (TFR) of 1.7 in 1980, which means that Florida women would have an average of 1.7 births during their lifetimes if these rates were to continue unchanged. Births are projected by applying these age-specific birth rates to the mid-period female population for each period in the projection horizon. It is assumed that age-specific birth rates remain constant during the period covered by the projections.

Natural increase (the difference between the number of births and the number of deaths) is very small in Florida, accounting for less than 10 percent of population growth. Reasonable variations in birth and death assumptions therefore have very little impact on total population change. Net migration, on the other hand, has a major impact and is subject to large changes over time. During the 1970s net migration was greater than 400,000 some years and less than 200,000 other

years. Since net migration is such a large and volatile component of Florida population growth we have applied three different migration assumptions, giving rise to three different sets of population projections. The low assumption implies net migration numbers of 160,000 to 180,000 per year, similar to the numbers prevailing during the 1960s and several of the slow-growth years of the mid-1970s. The high assumption implies net migration numbers of 315,000 to 350,000 per year, similar to the numbers prevailing during the rapid-growth years of the early 1970s. The medium assumption implies net migration numbers of 250,000 to 280,000 per year, roughly the average during the entire decade of the 1970s.

The projections are made in five-year intervals. The 1980 population is survived forward to 1985 by applying survival rates to each age-sex group. Net migration rates by age and sex are applied to the United States population and the resulting numbers are added to the surviving Florida population, giving the 1985 Florida population aged five and older. Age-specific birth rates are applied to the female population aged 15-44, using an average of the 1980 and 1985 populations to account for migration. This provides a projection of the population younger than age five, completing the total population projection for 1985. The same steps are repeated to produce state-level projections quinquennially to the year 2020.

County projections

While the cohort-component technique is a good way to make projections at the state level, it provides unsatisfactory results for many counties in Florida because many counties do not have a large enough population to which to apply the technique. Other methods must be used. For Florida's sixty-seven counties we make projections using nine different techniques. Three techniques are based on each county's proportion of state population growth between 1975 and 1981. This proportion is multiplied by the population increase derived from the low, medium and high state-level projections to provide three sets of county projections. Two projections are made using the linear extrapolation technique, one with a base period of 1970 to 1981 and one with a base period of 1975 to 1981. Two projections are made using a linear regression technique, one with a base period of 1970 to 1981 and one with a base period of 1975 to 1981. One projection is based on nonlinear regression, with 1970 to 1981 as the base period. One projection is based on the exponential growth rate from 1975 to 1981.

The selection of final projections from these nine techniques is based on a study of the annual population changes between 1970 and 1981. Some counties have had continuously increasing annual changes, others continuously decreasing annual changes. Some have followed a very steady path, others have fluctuated wildly. Based on these trends, we have chosen the techniques we believe are most likely to give reasonable projections. The medium projection is based on an average of these techniques, while the high and low projections are based on techniques that give higher or lower projections, but still fall within a reasonable range of the medium projection.

These techniques are used for projections through the year 2000. Beyond the year 2000 the continued extrapolation of past trends is not likely to be useful. Some counties will grow more rapidly than before, others will grow less rapidly. Unfortunately there is no way of knowing which counties will fall in which of these two groups. Consequently we take a middle-of-the road approach by assuming that each county grows at the same rate as the state after the year 2000, or that each county's proportion of the total state population remains constant.

Note: For the medium series, the sum of the county projections equals the state projection for each year (except for slight differences due to rounding). For the high and low series, however, the sums of the county projections do not equal the state projections. The reason for these differences is that potential variation around the medium projection is much greater at the county level than the state level. While the differences between the state projections and the sums of the county projections are very small for the low series, they are quite large for the high series.

Table 1. Florida state and county population estimates for April 1, 1981, and projections for 1983-2020

COUNTY	ESTIMATE APRIL 1 1981	PROJECTIONS, APRIL 1 1983	1985	1990	1995	2000	2010	2020
ALACHUA	154,305							
LO		158,700	163,000	176,200	188,300	200,000	213,400	222,800
MED		163,700	173,100	195,000	214,100	232,900	261,200	284,300
HI		167,000	179,600	206,200	232,300	260,000	331,700	373,700
BAKER	15,801							
LO		16,200	16,600	17,900	19,000	20,100	21,500	22,400
MED		16,700	17,600	19,800	22,000	24,200	27,100	29,500
HI		17,200	18,600	21,500	24,500	27,400	35,000	39,500
BAY	100,178							
LO		101,900	103,600	108,700	113,500	118,000	125,900	131,500
MED		103,600	107,000	115,500	123,400	131,400	147,400	160,400
HI		105,200	110,300	121,700	133,100	144,600	184,400	207,800
BRADFORD	20,118							
LO		20,600	21,000	22,400	23,600	24,800	26,500	27,700
MED		21,100	22,100	24,300	26,600	28,700	32,200	35,000
HI		21,300	22,500	25,300	28,000	30,600	39,100	44,000
BREVARD	281,496							
LO		287,300	293,000	310,400	326,500	341,900	364,800	380,900
MED		292,500	303,500	331,100	354,000	377,300	423,200	460,700
HI		302,500	323,600	371,700	417,100	461,100	588,300	662,800
BROWARD	1,047,313							
LO		1,075,500	1,103,800	1,189,100	1,267,800	1,343,500	1,433,500	1,496,600
MED		1,108,200	1,169,200	1,319,400	1,466,700	1,609,300	1,805,100	1,964,800
HI		1,125,000	1,202,700	1,396,900	1,591,000	1,785,200	2,277,600	2,566,300
CALHOUN	9,384							
LO		9,500	9,700	10,100	10,500	10,900	11,700	12,200
MED		9,700	10,000	10,700	11,400	12,100	13,500	14,700
HI		9,900	10,400	11,600	12,800	14,000	17,900	20,100
CHARLOTTE	61,566							
LO		64,400	67,200	75,700	83,500	91,000	97,100	101,400
MED		67,400	73,200	87,800	100,100	113,200	126,900	138,200
HI		69,000	76,400	94,000	110,800	127,200	162,300	182,900
CITRUS	59,240							
LO		62,700	66,200	76,800	86,600	95,900	102,400	106,900
MED		66,100	72,900	90,100	104,500	119,700	134,200	146,100
HI		68,500	77,700	99,600	120,600	141,100	180,000	202,800
CLAY	69,745							
LO		72,900	76,100	85,800	94,700	103,300	110,200	115,100
MED		76,400	83,000	99,000	114,400	129,500	145,200	158,000
HI		78,100	86,400	109,400	135,900	167,300	213,400	240,500
COLLIER	91,090							
LO		95,200	99,300	111,700	123,100	134,100	143,100	149,400
MED		99,500	107,800	128,800	149,000	168,700	189,300	206,000
HI		101,700	112,400	141,700	175,300	214,900	274,200	308,900
COLUMBIA	35,816							
LO		36,600	37,400	39,900	42,200	44,400	47,300	49,400
MED		37,600	39,300	43,600	47,500	51,400	57,700	62,800
HI		38,000	40,100	45,200	50,300	56,800	72,500	81,700
DADE	1,718,516							
LO		1,755,300	1,792,100	1,903,400	2,005,900	2,104,600	2,245,600	2,344,400
MED		1,780,900	1,843,300	1,996,300	2,137,100	2,272,100	2,548,400	2,773,800
HI		1,828,200	1,937,900	2,170,800	2,395,400	2,612,900	3,333,600	3,756,200
DE SOTO	19,373							
LO		19,600	19,900	20,600	21,300	21,900	23,400	24,400
MED		19,900	20,400	21,800	23,100	24,400	27,400	29,800
HI		20,700	22,100	24,700	27,300	30,000	38,200	43,100
DIXIE	8,145							
LO		8,400	8,600	9,300	9,900	10,500	11,200	11,700
MED		8,600	9,100	10,200	11,300	12,400	13,900	15,100
HI		8,700	9,300	10,700	12,300	14,300	18,200	20,600

Table 1. Florida state and county population estimates for April 1, 1981, and projections for 1983-2020 (continued)

COUNTY	ESTIMATE APRIL 1 1981	PROJECTIONS, APRIL 1 1983	1985	1990	1995	2000	2010	2020
DUVAL	575,884							
LO		577,200	578,500	582,400	586,100	589,600	629,000	656,700
MED		581,700	587,500	602,400	616,300	630,200	706,900	769,400
HI		585,500	595,100	614,200	632,900	648,500	827,300	932,200
ESCAMBIA	239,391							
LO		241,300	243,300	249,100	254,500	259,700	277,100	289,300
MED		243,000	246,600	255,400	267,300	277,700	311,500	339,100
HI		245,500	251,500	267,100	282,800	297,400	379,400	427,500
FLAGLER	12,141							
LO		12,900	13,700	16,200	18,400	20,500	21,900	22,900
MED		13,700	15,200	19,300	23,000	26,700	29,900	32,600
HI		14,500	16,800	21,600	28,500	36,300	46,400	52,200
FRANKLIN	7,732							
LO		7,700	7,700	7,800	7,800	7,800	8,300	8,700
MED		7,800	7,800	8,100	8,200	8,300	9,300	10,200
HI		7,800	8,000	8,200	8,500	8,800	11,300	12,700
GADSDEN	42,062							
LO		42,300	42,500	43,100	43,700	44,300	47,200	49,300
MED		43,100	44,100	46,400	48,500	50,600	56,800	61,800
HI		43,600	45,200	49,000	52,900	56,800	72,400	81,600
GILCHRIST	6,312							
LO		6,600	6,800	7,600	8,300	8,900	9,500	10,000
MED		6,800	7,200	8,400	9,600	10,700	12,000	13,100
HI		7,000	7,600	9,300	11,200	13,500	17,200	19,300
GLADES	6,147							
LO		6,200	6,200	6,400	6,500	6,600	7,000	7,300
MED		6,400	6,700	7,300	8,000	8,600	9,700	10,500
HI		6,600	7,000	8,100	9,300	10,400	13,200	14,900
GULF	10,647							
LO		10,700	10,700	10,700	10,700	10,700	11,400	12,000
MED		10,700	10,800	11,000	11,200	11,300	12,700	13,800
HI		10,900	11,100	11,400	11,700	12,000	15,300	17,200
HAMILTON	8,705							
LO		8,800	8,900	9,100	9,300	9,500	10,100	10,600
MED		9,000	9,200	9,600	10,000	10,300	11,600	12,600
HI		9,000	9,400	10,200	11,000	11,900	15,100	17,000
HARDEE	19,883							
LO		20,100	20,400	21,100	21,800	22,500	24,000	25,000
MED		20,400	20,900	22,000	23,500	24,800	27,800	30,300
HI		20,800	21,700	24,000	26,200	28,500	36,300	41,000
HENDRY	19,440							
LO		20,000	20,500	22,200	23,800	25,200	26,900	28,100
MED		20,600	21,700	24,600	27,300	29,900	33,600	36,600
HI		20,900	22,400	25,800	30,000	35,000	44,600	50,300
HERNANDO	48,771							
LO		51,600	54,500	63,100	71,100	78,800	84,000	87,700
MED		54,000	59,300	73,400	85,200	98,000	109,900	119,600
HI		56,300	63,900	81,700	98,900	115,600	147,500	166,200
HIGHLANDS	49,759							
LO		51,200	52,600	57,000	60,900	64,800	69,100	72,200
MED		52,700	55,700	63,200	70,200	77,000	86,400	94,000
HI		53,300	56,900	66,100	76,000	86,800	110,700	124,800
HILLSBOROUGH	661,243							
LO		670,700	680,100	708,600	734,800	760,100	811,000	846,700
MED		680,700	700,100	752,900	804,500	856,200	960,300	1,045,300
HI		692,300	723,400	801,100	878,800	956,500	1,220,300	1,375,000
HOLMES	14,953							
LO		15,200	15,500	16,200	17,000	17,600	18,800	19,700
MED		15,500	16,000	17,300	18,800	20,200	22,700	24,700
HI		16,000	17,100	19,200	21,300	23,500	29,900	33,700

Table 1. Florida state and county population estimates for April 1, 1981, and projections for 1983-2020 (continued)

COUNTY	ESTIMATE APRIL 1 1981	PROJECTIONS, APRIL 1 1983	1985	1990	1995	2000	2010	2020
INDIAN RIVER	63,100							
LO		65,700	68,300	78,100	83,400	90,400	96,400	100,700
MED		68,300	73,400	86,800	97,600	108,700	121,900	132,700
HI		70,000	76,800	93,100	110,800	132,500	169,100	190,500
JACKSON	39,686							
LO		40,100	40,500	41,800	42,900	44,000	46,900	49,000
MED		40,500	41,400	43,200	45,000	46,800	52,400	57,100
HI		41,000	42,300	45,000	47,800	50,500	64,500	72,600
JEFFERSON	10,746							
LO		10,900	11,100	11,500	12,000	12,400	13,200	13,800
MED		11,100	11,400	12,200	12,900	13,700	15,300	16,700
HI		11,300	11,800	13,100	14,500	15,800	20,200	22,700
LAFAYETTE	4,013							
LO		4,100	4,300	4,700	5,100	5,400	5,800	6,000
MED		4,300	4,600	5,300	5,900	6,500	7,300	7,900
HI		4,300	4,700	5,500	6,400	7,400	9,500	10,700
LAKE	108,063							
LO		111,100	114,200	123,500	132,100	140,300	149,700	156,300
MED		114,300	120,600	135,800	150,300	164,500	184,500	200,800
HI		118,900	129,700	153,200	175,200	196,300	250,400	282,100
LEE	214,867							
LO		223,600	232,400	258,800	283,200	306,600	327,200	341,600
MED		232,700	250,600	295,000	337,400	379,100	425,200	462,800
HI		242,300	269,800	332,700	393,900	454,700	580,100	653,700
LEON	152,096							
LO		156,200	160,300	172,700	184,100	195,100	208,200	217,400
MED		160,500	168,900	189,000	208,200	224,900	252,200	274,500
HI		163,400	174,800	199,600	223,900	249,400	318,100	358,500
LEVY	20,564							
LO		21,100	21,600	23,300	24,800	26,200	28,000	29,200
MED		21,700	22,900	25,800	28,700	31,300	35,100	38,200
HI		22,700	24,800	30,100	35,400	40,700	51,900	58,500
LIBERTY	4,294							
LO		4,300	4,400	4,500	4,700	4,800	5,100	5,400
MED		4,400	4,500	4,700	5,000	5,200	5,800	6,300
HI		4,500	4,700	5,200	5,600	6,000	7,700	8,600
MADISON	15,091							
LO		15,200	15,200	15,400	15,600	15,800	16,800	17,600
MED		15,200	15,300	15,600	16,100	16,400	18,400	20,000
HI		15,400	15,700	16,400	17,100	17,800	22,800	25,600
MANATEE	154,279							
LO		158,100	161,800	173,300	183,800	194,000	207,000	216,100
MED		162,000	169,700	189,300	208,100	226,000	253,500	275,900
HI		169,800	185,400	221,500	256,600	291,600	372,000	419,200
MARION	129,320							
LO		134,700	140,000	156,200	171,100	185,400	197,800	206,600
MED		139,700	150,100	176,400	201,800	227,000	254,700	277,200
HI		143,000	156,700	190,100	222,600	254,300	324,400	365,500
MARTIN	67,569							
LO		70,600	73,500	82,600	90,900	98,900	105,600	110,200
MED		74,000	80,400	96,000	110,900	125,600	140,900	153,300
HI		75,300	83,100	104,300	128,600	157,000	200,400	225,800
MONROE	64,168							
LO		64,700	65,200	66,500	67,900	69,200	73,800	77,000
MED		65,100	66,100	68,700	71,100	73,700	82,700	90,000
HI		66,300	68,400	73,600	78,900	84,100	107,400	121,000
NASSAU	33,718							
LO		34,200	34,700	36,100	37,500	38,800	41,400	43,200
MED		34,700	35,800	38,300	40,700	43,300	48,600	52,900
HI		35,500	37,400	41,900	46,300	50,700	64,700	72,900

Table 1. Florida state and county population estimates for April 1, 1981, and projections for 1983-2020 (continued)

COUNTY	ESTIMATE APRIL 1 1981	PROJECTIONS, APRIL 1 1983	1985	1990	1995	2000	2010	2020
OKALOOSA	112,873							
LO		114,600	116,300	121,600	126,400	131,100	139,800	146,000
MED		116,400	120,000	128,500	136,500	144,600	162,200	176,600
HI		117,900	123,000	134,800	146,300	156,800	200,100	225,400
OKEECHOBEE	21,139							
LO		21,600	22,100	23,600	24,900	26,200	28,000	29,200
MED		22,200	23,200	25,700	28,200	30,700	34,400	37,400
HI		23,100	25,100	29,200	33,400	37,500	47,800	53,900
ORANGE	481,731							
LO		491,600	501,600	531,500	559,200	585,800	625,000	652,500
MED		502,500	523,300	573,900	622,600	668,700	750,100	816,400
HI		515,300	548,800	625,400	700,400	775,500	989,400	1,114,800
OSCEOLA	55,332							
LO		58,300	61,400	70,500	78,900	87,000	92,800	96,900
MED		60,800	66,300	81,700	94,600	107,100	120,100	130,700
HI		63,300	71,300	90,100	110,400	137,800	175,700	198,000
PALM BEACH	615,165							
LO		637,300	659,400	726,200	787,900	847,200	903,900	943,700
MED		651,400	687,700	784,400	871,900	955,400	1,071,600	1,166,400
HI		672,600	730,000	875,600	1,013,000	1,145,700	1,461,700	1,647,000
PASCO	204,598							
LO		215,000	225,400	256,900	285,900	313,800	334,800	349,500
MED		225,600	246,600	299,000	349,300	398,500	447,000	486,600
HI		237,800	271,100	345,700	417,900	489,800	624,900	704,100
PINELLAS	743,301							
LO		755,800	768,400	806,300	841,300	874,900	933,500	974,600
MED		769,600	796,000	859,300	933,700	1,003,100	1,125,100	1,224,600
HI		783,500	823,700	924,100	1,024,600	1,125,000	1,435,300	1,617,300
POLK	330,830							
LO		337,600	344,300	364,800	383,600	401,700	428,600	447,500
MED		344,800	358,800	393,400	427,000	458,900	514,700	560,200
HI		349,400	368,000	414,600	461,100	507,600	647,600	729,700
PUTNAM	51,238							
LO		52,100	52,900	55,500	57,900	60,200	64,200	67,000
MED		53,000	54,900	59,100	63,200	67,300	75,500	82,100
HI		53,900	56,600	63,400	70,100	76,900	98,100	110,500
ST. JOHNS	53,701							
LO		55,800	57,900	64,300	70,200	75,900	81,000	84,600
MED		58,000	62,300	73,100	83,400	93,400	104,700	114,000
HI		59,300	64,900	78,100	92,400	108,900	138,900	156,500
ST. LUCIE	94,727							
LO		98,600	102,500	114,300	125,100	135,600	144,600	151,000
MED		101,800	108,900	127,400	142,200	158,600	177,900	193,600
HI		105,000	115,300	139,700	163,000	185,800	237,000	267,100
SANTA ROSA	57,205							
LO		58,100	59,000	61,600	64,100	66,400	70,900	74,000
MED		59,400	61,600	67,000	72,300	77,800	87,200	95,000
HI		60,800	64,300	73,200	82,000	90,900	116,000	130,700
SARASOTA	209,452							
LO		216,900	224,400	247,000	267,800	287,800	307,100	320,600
MED		224,600	239,800	277,100	312,600	347,500	389,800	424,200
HI		234,500	259,500	314,700	368,100	421,200	537,300	605,500
SEMINOLE	186,[illegible]40							
LO		195,300	203,800	229,400	253,100	275,800	294,300	307,200
MED		204,900	222,900	266,500	305,200	345,200	387,200	421,400
HI		213,700	240,600	303,500	367,000	429,300	547,700	617,100
SUMTER	24,880							
LO		25,600	26,400	28,700	30,800	32,800	35,000	36,600
MED		26,400	27,900	31,800	35,500	39,100	43,900	47,800
HI		26,900	28,900	33,600	39,700	46,900	59,800	67,400

Table 1. Florida state and county population estimates for April 1, 1981, and projections for 1983-2020 (continued)

COUNTY	ESTIMATE APRIL 1 1981	PROJECTIONS, APRIL 1 1983	1985	1990	1995	2000	2010	2020
SUWANNEE	23,293							
LO		23,900	24,500	26,300	27,900	29,500	31,500	32,900
MED		24,500	25,700	28,700	31,500	34,300	38,500	41,900
HI		24,900	26,400	30,200	34,300	39,300	50,100	56,500
TAYLOR	16,894							
LO		17,200	17,600	18,600	19,500	20,400	21,700	22,700
MED		17,600	18,200	19,800	21,400	22,900	25,600	27,900
HI		17,700	18,500	20,900	23,800	27,000	34,400	38,800
UNION	10,392							
LO		10,400	10,400	10,500	10,500	10,600	11,300	11,800
MED		10,600	10,700	11,200	11,700	12,100	13,600	14,800
HI		10,800	11,200	12,300	13,300	14,400	18,300	20,600
VOLUSIA	268,175							
LO		276,300	284,500	309,100	331,900	353,700	377,400	394,000
MED		284,700	301,200	341,800	380,400	418,200	469,100	510,600
HI		293,300	318,400	376,500	433,600	491,000	626,500	705,900
WAKULLA	10,938							
LO		11,200	11,500	12,400	13,200	14,000	14,900	15,500
MED		11,600	12,200	13,800	15,300	16,800	18,900	20,500
HI		11,800	12,600	14,700	16,800	18,900	24,200	27,200
WALTON	21,700							
LO		22,300	23,000	24,900	26,600	28,300	30,200	31,500
MED		23,000	24,300	27,400	30,400	33,200	37,300	40,600
HI		23,500	25,300	29,900	34,900	40,400	51,600	58,100
WASHINGTON	14,823							
LO		15,000	15,200	15,800	16,400	16,900	18,100	18,900
MED		15,200	15,700	16,700	17,700	18,600	20,900	22,700
HI		15,500	16,200	17,800	19,300	20,900	26,600	30,000
FLORIDA	10,105,957							
LO		10,352,200	10,598,400	11,341,600	12,027,800	12,687,800	13,544,600	14,141,000
MED		10,595,100	11,084,200	12,304,200	13,463,300	14,592,600	16,367,500	17,815,400
HI		10,757,000	11,408,100	12,945,900	14,420,300	15,862,500	18,617,400	20,977,300

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Projections of Florida population by age and sex, 1980–2020

P·S· Population Studies

Stanley K. Smith, Population Program Director
Faith Sincich, Assistant in Research

The projections published in this bulletin were produced by a cohort-component methodology in which births, deaths and migration are projected separately for each age-sex cohort in the population. These projections are for the permanent resident population of Florida, and do not include seasonal residents or tourists.

The base for these projections is the April 1, 1980 population of Florida as enumerated in the decennial census. Survival rates are applied to each age-sex cohort to project expected mortality. These rates are based on the 1969-1971 Florida Life Tables published by the Department of Health, Education and Welfare. The survival rates are adjusted upward in 1980, 1990 and 2000 to account for projected increases in life expectancy (Current Population Reports, Series P-25, No. 601, October 1975).

Net migration is the difference between the number of persons moving into an area and the number moving out during a certain period of time. Net migration is the most important component of population growth in Florida, accounting for more than 90 percent of growth between 1970 and 1980. Projections of net migration by age and sex are based on estimates of net migration between 1970 and 1980. Since levels of net migration can change considerably over time, three different sets of migration rates are used. These three sets provide three different but feasible scenarios regarding future population growth.

Levels of net migration are added to the survived base population to give the projected population aged five and older. Births and net migration for children younger than age five are projected by applying age-specific birth rates to the female population. Birth rates are based on births and age group data for 1980, when the total fertility rate in Florida was 1.7.

Projections are made for five-year intervals, and each projection serves as the base for the following projections. A more detailed description of the methodology and assumptions used to produce these projections can be found in Population Studies, Bulletin 60, July, 1982.

Population Division
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Bulletin No. 61 **August, 1982**

This public document was promulgated at an annual cost of $177.15 or $0.12 per copy to make available information about population in Florida. The sales cost of this publication was set to cover the total cost of producing it. The "annual cost" to the Bureau shown above is only that part of the cost paid out of state funds.

Table 1.—Projections of Florid

LOW PROJECTION

TOTAL	Census* 1980		1985		1990		2000		2020	
AGE	POP.	%	POP.	%	POP.	%	POP.	%	POP.	%
ALL	9,746,324	100.0	10,598,400	100.0	11,341,600	100.0	12,687,800	100.0	14,141,000	100.0
0-4	570,224	5.9	672,100	5.9	671,900	5.9	636,900	5.0	641,300	4.5
5-9	621,534	6.4	615,700	6.4	717,200	6.3	690,800	5.4	689,500	4.9
10-14	685,016	7.0	668,600	7.0	655,100	5.8	763,700	6.0	726,100	5.1
15-19	811,340	8.3	725,000	8.3	700,900	6.2	797,700	6.3	738,300	5.2
20-24	811,427	8.3	859,900	8.3	760,600	6.7	718,200	5.7	753,000	5.3
25-29	739,848	7.6	873,800	7.6	912,000	8.0	776,300	6.1	815,100	5.8
30-34	671,563	6.9	806,600	6.9	932,000	8.2	856,100	6.7	897,100	6.3
35-39	566,134	5.8	721,700	5.8	850,100	7.5	1,014,200	8.0	931,400	6.6
40-44	472,644	4.8	607,600	4.8	764,500	6.7	1,029,500	8.1	840,300	5.9
45-49	480,732	4.9	501,400	4.9	633,500	5.6	932,400	7.3	888,200	6.3
50-54	508,428	5.2	511,300	5.2	530,100	4.7	838,600	6.6	964,100	6.8
55-59	555,209	5.7	549,700	5.7	545,400	4.8	711,100	5.6	1,135,000	8.0
60-64	564,652	5.8	561,300	5.8	538,200	4.7	572,500	4.5	922,700	6.5
65+	1,687,573	17.3	1,923,700	17.3	2,130,100	18.8	2,349,700	18.5	3,198,800	22.6

FEMALE	Census* 1980		1985		1990		2000		2020	
AGE	POP.	%	POP.	%	POP.	%	POP.	%	POP.	%
ALL	5,070,698	100.0	5,491,400	100.0	5,866,800	100.0	6,548,000	100.0	7,284,200	100.0
0-4	278,938	5.5	319,300	5.5	319,100	5.4	302,500	4.6	304,600	4.2
5-9	304,280	6.0	301,100	6.0	341,300	5.8	328,700	5.0	328,000	4.5
10-14	335,102	6.6	327,600	6.6	320,700	5.5	364,400	5.6	346,200	4.8
15-19	399,882	7.9	356,700	7.9	345,200	5.9	383,100	5.9	354,000	4.9
20-24	407,182	8.0	426,300	8.0	376,700	6.4	355,700	5.4	363,600	5.0
25-29	373,090	7.4	437,200	7.4	452,500	7.7	385,200	5.9	394,800	5.4
30-34	341,777	6.7	404,800	6.7	467,600	8.0	425,800	6.5	436,500	6.0
35-39	291,476	5.7	365,200	5.7	427,200	7.3	505,900	7.7	454,900	6.2
40-44	243,343	4.8	312,900	4.8	389,400	6.6	520,800	8.0	421,600	5.8
45-49	252,231	5.0	257,400	5.0	327,400	5.6	473,800	7.2	448,400	6.2
50-54	266,763	5.3	272,100	5.3	277,100	4.7	436,000	6.7	494,400	6.8
55-59	304,683	6.0	294,700	6.0	295,900	5.0	381,200	5.8	595,300	8.2
60-64	312,738	6.2	319,900	6.2	307,900	5.2	330,100	5.0	524,300	7.2
65+	959,213	18.9	1,096,400	18.9	1,218,900	20.8	1,354,800	20.7	1,817,700	25.0

MALE	Census* 1980		1985		1990		2000		2020	
AGE	POP.	%	POP.	%	POP.	%	POP.	%	POP.	%
ALL	4,675,626	100.0	5,107,000	100.0	5,474,800	100.0	6,139,700	100.0	6,856,700	100.0
0-4	291,286	6.2	352,900	6.2	352,700	6.4	334,400	5.4	336,700	4.9
5-9	317,254	6.8	314,600	6.8	375,900	6.9	362,100	5.9	361,500	5.3
10-14	349,914	7.5	341,100	7.5	334,500	6.1	399,400	6.5	379,900	5.5
15-19	411,458	8.8	368,400	8.8	355,700	6.5	414,600	6.8	384,300	5.6
20-24	404,245	8.6	433,700	8.6	383,800	7.0	362,500	5.9	389,400	5.7
25-29	366,758	7.8	436,600	7.8	459,500	8.4	391,100	6.4	420,300	6.1
30-34	329,786	7.1	401,800	7.1	464,500	8.5	430,300	7.0	460,600	6.7
35-39	274,658	5.9	356,500	5.9	422,900	7.7	508,400	8.3	476,500	6.9
40-44	229,301	4.9	294,700	4.9	375,100	6.9	508,700	8.3	418,600	6.1
45-49	228,501	4.9	243,900	4.9	306,100	5.6	458,600	7.5	439,800	6.4
50-54	241,665	5.2	239,200	5.2	253,100	4.6	402,600	6.6	469,700	6.9
55-59	250,526	5.4	255,000	5.4	249,500	4.6	329,800	5.4	539,700	7.9
60-64	251,914	5.4	241,400	5.4	230,200	4.2	242,400	3.9	398,400	5.8
65+	728,360	15.6	827,300	15.6	911,300	16.6	995,000	16.2	1,381,200	20.1

*1980 Census data for age groups 35-54 are preliminary; final values will be slightly different from those reported here.

ppulation by age and sex, 1980-2020

MEDIUM PROJECTION

TOTAL	Census* 1980		1985		1990		2000		2020	
AGE	POP.	%	POP.	%	POP.	%	POP.	%	POP.	%
ALL	9,746,324	100.0	11,084,200	100.0	12,304,200	100.0	14,592,600	100.0	17,815,400	100.0
0-4	570,224	5.9	685,400	5.9	708,300	5.8	706,400	4.8	780,600	4.4
5-9	621,534	6.4	642,400	6.4	759,000	6.2	765,000	5.2	842,900	4.7
10-14	685,016	7.0	695,000	7.0	706,300	5.7	848,000	5.8	888,700	5.0
15-19	811,340	8.3	748,200	8.3	748,200	6.1	882,700	6.0	900,700	5.1
20-24	811,427	8.3	888,700	8.3	808,100	6.6	803,700	5.5	920,200	5.2
25-29	739,848	7.6	910,500	7.6	975,900	7.9	864,800	5.9	1,000,800	5.6
30-34	671,563	6.9	844,000	6.9	1,007,900	8.2	956,100	6.6	1,103,700	6.2
35-39	566,134	5.8	750,500	5.8	918,800	7.5	1,137,600	7.8	1,141,000	6.4
40-44	472,644	4.8	634,400	4.8	825,900	6.7	1,163,800	8.0	1,043,100	5.9
45-49	480,732	4.9	522,000	4.9	684,600	5.6	1,057,000	7.2	1,098,100	6.2
50-54	508,428	5.2	539,200	5.2	579,000	4.7	954,400	6.5	1,201,400	6.7
55-59	555,209	5.7	590,500	5.7	609,700	5.0	822,400	5.6	1,438,100	8.1
60-64	564,652	5.8	595,600	5.8	595,200	4.8	672,400	4.6	1,230,700	6.9
65+	1,687,573	17.3	2,037,900	17.3	2,377,300	19.3	2,833,700	19.4	4,225,500	23.7

FEMALE	Census* 1980		1985		1990		2000		2020	
AGE	POP.	%	POP.	%	POP.	%	POP.	%	POP.	%
ALL	5,070,698	100.0	5,740,500	100.0	6,360,800	100.0	7,530,600	100.0	9,189,800	100.0
0-4	278,938	5.5	325,600	5.5	336,400	5.3	335,500	4.5	370,800	4.0
5-9	304,280	6.0	314,100	6.0	361,400	5.7	364,200	4.8	401,200	4.4
10-14	335,102	6.6	340,500	6.6	345,700	5.4	405,000	5.4	424,200	4.6
15-19	399,882	7.9	368,900	7.9	369,300	5.8	425,100	5.6	433,000	4.7
20-24	407,182	8.0	441,300	8.0	401,700	6.3	398,900	5.3	446,200	4.9
25-29	373,090	7.4	454,800	7.4	484,300	7.6	430,100	5.7	486,600	5.3
30-34	341,777	6.7	423,400	6.7	504,700	7.9	476,500	6.3	539,200	5.9
35-39	291,476	5.7	379,300	5.7	461,200	7.3	567,400	7.5	559,500	6.1
40-44	243,343	4.8	326,900	4.8	420,600	6.6	587,700	7.8	524,200	5.7
45-49	252,231	5.0	267,600	5.0	353,400	5.6	536,800	7.1	555,000	6.0
50-54	266,763	5.3	287,500	5.3	303,000	4.8	496,300	6.6	618,200	6.7
55-59	304,683	6.0	317,000	6.0	331,300	5.2	441,500	5.9	756,500	8.2
60-64	312,738	6.2	337,800	6.2	337,900	5.3	384,000	5.1	693,600	7.5
65+	959,213	18.9	1,155,800	18.9	1,349,700	21.2	1,618,100	21.5	2,381,500	25.9

MALE	Census* 1980		1985		1990		2000		2020	
AGE	POP.	%	POP.	%	POP.	%	POP.	%	POP.	%
ALL	4,675,626	100.0	5,343,700	100.0	5,943,300	100.0	7,062,000	100.0	8,625,500	100.0
0-4	291,286	6.2	359,800	6.2	371,900	6.3	370,800	5.3	409,800	4.8
5-9	317,254	6.8	328,300	6.8	397,600	6.7	400,900	5.7	441,700	5.1
10-14	349,914	7.5	354,400	7.5	360,600	6.1	443,000	6.3	464,500	5.4
15-19	411,458	8.8	379,300	8.8	378,900	6.4	457,600	6.5	467,700	5.4
20-24	404,245	8.6	447,400	8.6	406,300	6.8	404,800	5.7	473,900	5.5
25-29	366,758	7.8	455,700	7.8	491,500	8.3	434,700	6.2	514,200	6.0
30-34	329,786	7.1	420,600	7.1	503,200	8.5	479,600	6.8	564,500	6.5
35-39	274,658	5.9	371,200	5.9	457,600	7.7	570,200	8.1	581,500	6.7
40-44	229,301	4.9	307,500	4.9	405,300	6.8	576,000	8.2	518,900	6.0
45-49	228,501	4.9	254,500	4.9	331,200	5.6	520,200	7.4	543,000	6.3
50-54	241,665	5.2	251,600	5.2	276,000	4.6	458,100	6.5	583,200	6.8
55-59	250,526	5.4	273,500	5.4	278,400	4.7	380,900	5.4	681,600	7.9
60-64	251,914	5.4	257,800	5.4	257,300	4.3	288,400	4.1	537,100	6.2
65+	728,360	15.6	882,100	15.6	1,027,500	17.3	1,215,600	17.2	1,844,000	21.4

*1980 Census data for age groups 35-54 are preliminary; final values will be slightly different from those reported here.

Table 1.—Projections of Florida population by age and sex, 1980-2020 (continued)

HIGH PROJECTION

TOTAL	Census* 1980		1985		1990		2000		2020	
AGE	POP.	%	POP.	%	POP.	%	POP.	%	POP.	%
ALL	9,746,324	100.0	11,408,100	100.0	12,945,900	100.0	15,862,500	100.0	20,977,300	100.0
0-4	570,224	5.9	694,200	5.9	732,600	5.7	759,000	4.8	898,000	4.3
5-9	621,534	6.4	660,200	6.4	786,900	6.1	830,000	5.2	972,900	4.6
10-14	685,016	7.0	712,500	7.0	740,500	5.7	920,000	5.8	1,026,000	4.9
15-19	811,340	8.3	763,700	8.3	779,700	6.0	952,100	6.0	1,036,700	4.9
20-24	811,427	8.3	907,900	8.3	839,700	6.5	872,900	5.5	1,063,300	5.1
25-29	739,848	7.6	935,000	7.6	1,018,500	7.9	939,800	5.9	1,159,200	5.5
30-34	671,563	6.9	869,000	6.9	1,058,500	8.2	1,041,700	6.6	1,279,800	6.1
35-39	566,134	5.8	769,700	5.8	964,500	7.5	1,238,600	7.8	1,320,700	6.3
40-44	472,644	4.8	652,300	4.8	866,800	6.7	1,275,500	8.0	1,216,300	5.8
45-49	480,732	4.9	535,800	4.9	718,600	5.6	1,159,100	7.3	1,277,100	6.1
50-54	508,428	5.2	557,800	5.2	611,600	4.7	1,055,400	6.7	1,404,700	6.7
55-59	555,209	5.7	617,600	5.7	652,600	5.0	923,200	5.8	1,702,000	8.1
60-64	564,652	5.8	618,300	5.8	633,900	4.9	738,600	4.7	1,494,800	7.1
65+	1,687,573	17.3	2,114,100	17.3	2,541,400	19.6	3,156,700	19.9	5,125,700	24.4

FEMALE	Census* 1980		1985		1990		2000		2020	
AGE	POP.	%	POP.	%	POP.	%	POP.	%	POP.	%
ALL	5,070,698	100.0	5,906,500	100.0	6,690,200	100.0	8,185,700	100.0	10,828,600	100.0
0-4	278,938	5.5	329,800	5.5	348,000	5.2	360,500	4.4	426,600	3.9
5-9	304,280	6.0	322,700	6.0	374,900	5.6	395,300	4.8	463,300	4.3
10-14	335,102	6.6	349,200	6.6	362,400	5.4	439,900	5.4	490,200	4.5
15-19	399,882	7.9	377,100	7.9	385,300	5.8	459,800	5.6	499,500	4.6
20-24	407,182	8.0	451,400	8.0	418,400	6.3	434,100	5.3	517,400	4.8
25-29	373,090	7.4	466,500	7.4	505,600	7.6	467,700	5.7	565,200	5.2
30-34	341,777	6.7	435,900	6.7	529,500	7.9	519,700	6.3	627,000	5.8
35-39	291,476	5.7	388,700	5.7	483,800	7.2	617,500	7.5	649,000	6.0
40-44	243,343	4.8	336,300	4.8	441,500	6.6	644,000	7.9	611,500	5.6
45-49	252,231	5.0	274,300	5.0	370,700	5.5	588,100	7.2	645,900	6.0
50-54	266,763	5.3	297,800	5.3	320,300	4.8	549,600	6.7	724,400	6.7
55-59	304,683	6.0	331,800	6.0	354,900	5.3	496,000	6.1	897,400	8.3
60-64	312,738	6.2	349,600	6.2	358,300	5.4	419,700	5.1	838,000	7.7
65+	959,213	18.9	1,195,400	18.9	1,436,600	21.5	1,793,800	21.9	2,873,300	26.5

MALE	Census* 1980		1985		1990		2000		2020	
AGE	POP.	%	POP.	%	POP.	%	POP.	%	POP.	%
ALL	4,675,626	100.0	5,501,600	100.0	6,255,700	100.0	7,676,800	100.0	10,148,700	100.0
0-4	291,286	6.2	364,500	6.2	384,600	6.1	398,500	5.2	471,500	4.6
5-9	317,254	6.8	337,500	6.8	412,000	6.6	434,700	5.7	509,700	5.0
10-14	349,914	7.5	363,300	7.5	378,100	6.0	480,100	6.3	535,800	5.3
15-19	411,458	8.8	386,600	8.8	394,400	6.3	492,300	6.4	537,200	5.3
20-24	404,245	8.6	456,500	8.6	421,300	6.7	438,800	5.7	545,900	5.4
25-29	366,758	7.8	468,500	7.8	512,900	8.2	472,100	6.2	594,000	5.9
30-34	329,786	7.1	433,100	7.1	529,000	8.5	522,000	6.8	652,700	6.4
35-39	274,658	5.9	381,000	5.9	480,700	7.7	621,000	8.1	671,700	6.6
40-44	229,301	4.9	316,000	4.9	425,400	6.8	631,500	8.2	604,800	6.0
45-49	228,501	4.9	261,500	4.9	347,900	5.6	571,000	7.4	631,200	6.2
50-54	241,665	5.2	259,900	5.2	291,300	4.7	505,800	6.6	680,300	6.7
55-59	250,526	5.4	285,800	5.4	297,700	4.8	427,200	5.6	804,600	7.9
60-64	251,914	5.4	268,700	5.4	275,600	4.4	318,900	4.2	656,900	6.5
65+	728,360	15.6	918,700	15.6	1,104,800	17.7	1,362,800	17.8	2,252,400	22.2

*1980 Census data for age groups 35-54 are preliminary; final values will be slightly different from those reported here.

12/16/82 U6660-3.8 A

ISSN 0071-6030

P.S. Population Studies

Population projections by age for large counties in Florida: 1985–2000

Stanley K. Smith, Population Program Director
and
Faith Sincich, Assistant in Research

The utilization of demographic data has grown rapidly in recent years. Large corporations, small businesses, state and local governments, school systems, hospitals and many other organizations rely more heavily on demographic data now than ever before. The need for data on the age distribution of county populations appears to be particularly great. In this bulletin we publish population projections, by age, for the 21 counties in Florida with 1980 populations of greater than 100,000. These projections represent only permanent residents, and do not include seasonal residents or tourists.

The projections were made using a cohort-component methodology in which births, deaths and migration are projected separately for each age-sex group. The base for the projections is the population counted in the 1980 Census. Survival rates are applied to each age-sex group to account for deaths. These rates are based on 1969-1971 Florida Life Tables, and are adjusted upward in 1980 and 1990 to account for projected increases in life expectancy. Migration is projected by applying net migration rates to each age-sex group. These rates are based on estimated levels of net migration between 1970 and 1980 for each age-sex group in each county. Levels of projected net migration are added to the surviving base population to give the projected population age five and older in each projection year. Births and net migration of children younger than age five are projected by applying age-specific birth rates to the female population. These rates are based on 1980 data on births by age of mother for each county. County birth rates are assumed to converge to state birth rates by the year 2000.

Projections are made in five-year intervals and each projection serves as the base for the following projection. The set of numbers published in this bulletin is a summary of the complete set of projections; it shows only the medium series and omits the data for males and females and for five-year age groups. More detailed data, showing five-year age groups for males and females from the low, medium and high projection series, can be obtained from the Bureau of Economic and Business Research for a small charge. These projections are available only for counties with a 1980 population greater than 100,000; projections by age for smaller counties have not been made.

Population Division
BUREAU OF ECONOMIC & BUSINESS RESEARCH
BEBR
UNIVERSITY OF FLORIDA
College of
Business Administration

Bulletin No. 62 **November, 1982**

This public document was promulgated at an annual cost of $177.15 or $0.12 per copy to make available information about population in Florida. The sales cost of this publication was set to cover the total cost of producing it. The "annual cost" to the Bureau shown above is only that part of the cost paid out of state funds.

Population projections by age for large counties in Florida (medium projection series): 1985-2000

COUNTY	AGE	Census 1980	1985	1990	1995	2000
ALACHUA	0-14	28,723	32,200	37,200	40,800	41,400
	15-24	46,765	47,700	45,400	45,500	48,800
	25-44	44,726	58,400	72,300	77,800	80,200
	45-64	20,387	22,400	25,800	34,000	44,900
	65+	10,747	12,400	14,400	15,900	17,600
	TOTAL	151,348	173,100	195,000	214,100	232,900
BREVARD	0-14	52,030	54,000	58,500	62,500	55,100
	15-24	50,665	50,000	43,000	39,600	38,500
	25-44	68,047	84,400	100,100	109,100	103,600
	45-64	67,551	71,700	77,000	82,600	99,700
	65+	34,666	43,400	52,600	60,200	80,400
	TOTAL	272,959	303,500	331,100	354,000	377,300
BROWARD	0-14	170,354	179,900	197,500	217,500	227,500
	15-24	145,299	154,100	149,000	147,200	160,800
	25-44	255,815	326,700	393,200	432,600	448,100
	45-64	223,050	246,800	276,600	329,300	405,800
	65+	223,682	261,700	303,000	340,200	367,200
	TOTAL	1,018,200	1,169,200	1,319,400	1,466,700	1,609,300
DADE	0-14	307,746	337,400	359,200	379,200	378,500
	15-24	270,016	273,600	251,800	250,600	272,200
	25-44	433,643	558,000	641,800	678,900	681,600
	45-64	359,090	383,000	413,300	468,900	561,500
	65+	255,286	291,300	330,200	359,400	378,300
	TOTAL	1,625,781	1,843,300	1,996,300	2,137,100	2,272,100
DUVAL	0-14	132,592	133,800	133,200	131,100	123,200
	15-24	110,072	98,000	91,300	89,100	92,600
	25-44	162,052	186,700	201,500	202,900	197,300
	45-64	111,124	108,300	110,000	123,300	146,400
	65+	55,163	60,700	66,400	69,900	70,700
	TOTAL	571,003	587,500	602,400	616,300	630,200
ESCAMBIA	0-14	53,874	55,800	56,400	56,600	53,400
	15-24	48,615	43,400	38,700	38,300	41,000
	25-44	64,307	75,800	83,000	85,800	85,200
	45-64	46,251	47,600	49,900	56,300	66,400
	65+	20,747	24,000	27,400	30,200	31,700
	TOTAL	233,794	246,600	255,400	267,300	277,700
HILLSBOROUGH	0-14	140,872	145,200	151,600	159,400	159,100
	15-24	122,531	118,700	111,700	108,400	115,600
	25-44	181,530	221,000	254,600	270,500	275,200
	45-64	127,714	132,700	142,900	166,700	201,500
	65+	74,313	82,500	92,100	99,500	104,900
	TOTAL	646,960	700,100	752,900	804,500	856,200

Note: Age groups may not add to total due to rounding.

Population projections by age for large counties in Florida
(medium projection series): 1985-2000 (continued)

COUNTY	AGE	Census 1980	1985	1990	1995	2000
LAKE	0-14	18,623	20,500	22,500	24,000	23,500
	15-24	14,139	15,100	13,800	14,100	16,300
	25-44	21,437	27,100	33,400	37,300	39,200
	45-64	24,031	26,600	29,800	33,900	41,200
	65+	26,640	31,300	36,300	41,000	44,300
	TOTAL	104,870	120,600	135,800	150,300	164,500
LEE	0-14	35,890	41,000	46,400	51,400	54,100
	15-24	28,218	32,100	32,800	34,800	38,800
	25-44	44,885	62,000	79,200	90,800	98,100
	45-64	50,402	58,900	68,600	81,700	101,800
	65+	45,871	56,600	68,000	78,700	86,200
	TOTAL	205,266	250,600	295,000	337,400	379,100
LEON	0-14	30,841	33,700	37,000	40,000	40,100
	15-24	40,526	40,700	38,300	38,200	40,600
	25-44	45,770	59,100	72,600	78,500	80,000
	45-64	21,754	24,200	27,800	36,600	47,700
	65+	9,764	11,200	13,300	14,800	16,400
	TOTAL	148,655	168,900	189,000	208,200	224,900
MANATEE	0-14	24,963	27,600	30,100	32,300	32,700
	15-24	19,427	20,800	20,700	21,400	23,500
	25-44	30,749	40,600	49,500	55,100	57,500
	45-64	33,147	35,900	39,600	45,600	55,900
	65+	40,156	44,700	49,500	53,800	56,400
	TOTAL	148,442	169,700	189,300	208,100	226,000
MARION	0-14	25,415	28,900	32,800	36,200	37,100
	15-24	18,575	21,700	21,700	22,400	25,700
	25-44	28,635	38,800	49,400	57,100	62,000
	45-64	28,964	34,200	40,100	48,000	59,900
	65+	20,899	26,500	32,500	38,200	42,400
	TOTAL	122,488	150,100	176,400	201,800	227,000
OKALOOSA	0-14	26,242	27,700	28,700	29,100	27,900
	15-24	24,360	22,200	20,100	20,000	21,600
	25-44	32,404	38,200	42,800	45,300	46,200
	45-64	20,541	23,500	26,100	29,300	34,300
	65+	6,373	8,200	10,800	12,800	14,600
	TOTAL	109,920	120,000	128,500	136,500	144,600
ORANGE	0-14	99,384	108,300	116,500	123,800	124,100
	15-24	98,069	91,400	83,800	85,200	93,600
	25-44	127,458	165,200	198,300	213,800	217,900
	45-64	96,098	99,800	107,000	124,000	153,400
	65+	50,007	58,600	68,200	75,800	79,800
	TOTAL	471,016	523,300	573,900	622,600	668,700

Note: Age groups may not add to total due to rounding.

Population projections by age for large counties in Florida
(medium projection series): 1985-2000 (continued)

COUNTY	AGE	Census 1980	1985	1990	1995	2000
PALM BEACH	0-14	98,328	109,400	120,500	130,200	131,600
	15-24	81,588	87,900	85,700	86,100	95,700
	25-44	135,874	178,400	216,200	238,000	246,700
	45-64	126,621	146,300	165,700	194,800	239,500
	65+	134,452	165,700	196,300	222,800	241,900
	TOTAL	576,863	687,700	784,400	871,900	955,400
PASCO	0-14	28,469	33,800	40,100	46,100	49,900
	15-24	21,610	26,900	28,500	30,900	35,400
	25-44	33,710	49,100	65,600	78,000	86,800
	45-64	50,417	61,800	73,400	87,200	108,300
	65+	59,437	75,000	91,400	107,100	118,100
	TOTAL	193,643	246,600	299,000	349,300	398,500
PINELLAS	0-14	108,799	111,800	118,300	128,900	132,700
	15-24	95,310	96,000	88,400	86,100	92,000
	25-44	154,387	195,700	231,300	251,400	256,900
	45-64	167,210	171,800	183,000	209,800	254,100
	65+	202,825	220,800	238,300	257,600	267,400
	TOTAL	728,531	796,000	859,300	933,700	1,003,100
POLK	0-14	69,960	73,900	77,800	81,400	79,800
	15-24	56,625	57,000	53,800	53,500	58,000
	25-44	82,885	104,200	123,600	135,300	140,400
	45-64	66,149	71,200	77,900	90,200	109,500
	65+	46,033	52,600	60,200	66,700	71,200
	TOTAL	321,652	358,800	393,400	427,000	458,900
SARASOTA	0-14	27,636	31,000	35,600	40,400	42,800
	15-24	24,467	26,800	26,000	26,400	29,900
	25-44	39,947	54,400	68,300	77,600	81,400
	45-64	49,592	55,900	63,600	73,800	91,600
	65+	60,609	71,800	83,500	94,500	101,800
	TOTAL	202,251	239,800	277,100	312,600	347,500
SEMINOLE	0-14	42,211	45,700	51,200	57,200	61,800
	15-24	29,535	36,800	38,100	38,100	41,000
	25-44	53,559	72,200	92,800	105,600	115,300
	45-64	36,831	45,300	55,200	70,000	87,700
	65+	17,616	22,900	29,200	34,400	39,400
	TOTAL	179,752	222,900	266,500	305,200	345,200
VOLUSIA	0-14	43,373	48,400	53,600	58,700	60,800
	15-24	41,619	41,600	39,900	40,900	45,300
	25-44	56,071	77,400	96,300	107,300	112,200
	45-64	59,905	64,000	73,700	85,700	106,300
	65+	57,794	69,800	78,300	87,800	93,600
	TOTAL	258,762	301,200	341,800	380,400	418,200

Note: Age groups may not add to total due to rounding.

ISSN 0071-6030

P. S. Population Studies

Number of households and average household size in Florida: April 1, 1982

Stanley K. Smith, Population Program Director
and
Marylou Mandell, Assistant in Research

This publication shows the number of households and average household size for Florida and each of its counties for 1970, 1980 and 1982. Households are defined as housing units occupied by permanent residents. They should not be confused with total housing units, which include vacant and seasonally occupied units as well as units occupied by permanent residents. According to the United States Bureau of the Census, a person is classified as a permanent resident of "...his usual place of residence, which is generally construed to mean the place where he lives and sleeps most of the time. This place is not necessarily the same as his legal residence, voting residence or domicile." The numbers shown in this bulletin refer only to the number of households and average household size of permanent Florida residents.

Data for 1970 and 1980 were taken from actual census counts conducted by the United States Bureau of the Census. Data for 1982 were taken from estimates produced by the Bureau of Economic and Business Research. Estimates of households were based on electric customer and building permit data (primarily the former). Estimates of average household size were based on each area's average household size in 1980, the national decline in average household size since 1980 and the local change in housing mix since 1980. A more detailed description of the methodology used to estimate households and average household size can be found in "Some New Techniques for Applying the Housing Unit Method of Local Population Estimation," Demography, Volume 17, Number 3, August, 1980.

Number of households

The number of households in Florida topped four million in 1982. This represents an increase of 279,000 since 1980, or 7.5 percent. The average increase of almost 140,000 households per year between 1980 and 1982 is slightly below the average of 146,000 per year between 1970 and 1980. Dade County had 632,800 households in 1982, more than any other county. Next in line were Broward with 443,500, Pinellas with 334,800, Palm Beach with 264,300, Hillsborough with 253,800 and Duval with 215,200. At the other end of the scale, Lafayette, Liberty, Union, Gilchrist and Glades each had fewer than 2,500 households.

Palm Beach had the largest increase in number of households of any county between 1980 and

(Continued on back page.)

Population Division
BUREAU OF ECONOMIC & BUSINESS RESEARCH
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Bulletin No. 63 **March, 1983**

This public document was promulgated at an annual cost of $177.15 or $0.12 per copy to make available information about population in Florida. The sales cost of this publication was set to cover the total cost of producing it. The "annual cost" to the Bureau shown above is only that part of the cost paid out of state funds.

Table 1.—Number of households and average household size for Florida counties: 1970, 1980, 1982

STATE COUNTY	ESTIMATE APRIL 1, 1982		CENSUS APRIL 1, 1980		CENSUS APRIL 1, 1970		NUMERICAL CHANGE				PERCENTAGE CHANGE				STATE COUNTY
							HOUSEHOLDS		AVERAGE HOUSEHOLD SIZE		HOUSEHOLDS		AVERAGE HOUSEHOLD SIZE		
	HOUSEHOLDS	AVERAGE HOUSEHOLD SIZE	HOUSEHOLDS	AVERAGE HOUSEHOLD SIZE	HOUSEHOLDS	AVERAGE HOUSEHOLD SIZE	1980-1982	1970-1980	1980-1982	1970-1980	1980-1982	1970-1980	1980-1982	1970-1980	
FLORIDA	4,023,287	2.52	3,744,254	2.55	2,284,786	2.90	279,033	1,459,468	-0.03	-0.35	7.5	63.9	-1.2	-12.1	FLORIDA
Alachua	58,630	2.55	54,607	2.60	31,115	3.06	4,023	23,492	-0.05	-0.46	7.4	75.5	-1.9	-15.0	Alachua
Baker	4,550	3.15	4,243	3.22	2,229	3.62	307	2,014	-0.07	-0.40	7.2	90.4	-2.2	-11.0	Baker
Bay	38,007	2.69	34,754	2.76	23,403	3.18	3,253	11,351	-0.07	-0.42	9.4	48.5	-2.5	-13.2	Bay
Bradford	6,515	2.84	6,297	2.87	4,058	3.26	218	2,239	-0.03	-0.39	3.5	55.2	-1.0	-12.0	Bradford
Brevard	112,679	2.61	101,783	2.64	68,560	3.30	10,896	33,223	-0.03	-0.66	10.7	48.5	-1.1	-20.0	Brevard
Broward	443,497	2.39	417,517	2.42	222,563	2.76	25,980	194,954	-0.03	-0.34	6.2	87.6	-1.2	-12.3	Broward
Calhoun	3,257	2.80	3,221	2.84	2,393	3.18	36	828	-0.04	-0.34	1.1	34.6	-1.4	-10.7	Calhoun
Charlotte	29,851	2.22	25,922	2.25	11,668	2.35	3,929	14,254	-0.03	-0.10	15.2	122.2	-1.3	-4.3	Charlotte
Citrus	26,414	2.34	22,985	2.36	7,358	2.59	3,429	15,627	-0.02	-0.23	14.9	212.4	-0.8	-8.9	Citrus
Clay	23,731	3.00	21,646	3.06	9,396	3.35	2,085	12,250	-0.06	-0.29	9.6	130.4	-2.0	-8.7	Clay
Collier	40,476	2.38	33,966	2.49	13,012	2.88	6,510	20,954	-0.11	-0.39	19.2	161.0	-4.4	-13.5	Collier
Columbia	12,960	2.82	12,183	2.87	7,669	3.24	777	4,514	-0.05	-0.37	6.4	58.9	-1.7	-11.4	Columbia
Dade	632,717	2.69	609,830	2.63	428,026	2.91	22,887	181,804	0.06	-0.28	3.8	42.5	2.3	-9.6	Dade
DeSoto	6,766	2.71	6,256	2.76	3,761	3.03	510	2,495	-0.05	-0.27	8.2	66.3	-1.8	-8.9	DeSoto
Dixie	3,011	2.74	2,663	2.76	1,708	3.19	348	955	-0.02	-0.43	13.1	55.9	-0.7	-13.5	Dixie
Duval	215,222	2.64	208,351	2.69	161,666	3.14	6,871	46,685	-0.05	-0.45	3.3	28.9	-1.9	-14.3	Duval
Escambia	86,698	2.74	81,067	2.79	60,387	3.25	5,631	20,680	-0.05	-0.46	6.9	34.2	-1.8	-14.2	Escambia
Flagler	5,291	2.43	4,359	2.49	1,488	2.96	932	2,871	-0.06	-0.47	21.4	192.9	-2.4	-15.9	Flagler
Franklin	2,915	2.67	2,765	2.73	2,429	2.91	150	336	-0.06	-0.18	5.4	13.8	-2.2	-6.2	Franklin
Gadsden	12,613	3.21	12,092	3.24	9,066	3.73	521	3,026	-0.03	-0.49	4.3	33.4	-0.9	-13.1	Gadsden
Gilchrist	2,392	2.82	2,006	2.82	1,146	3.10	386	860	0.00	-0.28	19.2	75.0	0.0	-9.0	Gilchrist
Glades	2,444	2.63	2,224	2.69	1,115	3.24	220	1,109	-0.06	-0.55	9.9	99.5	-2.2	-17.0	Glades
Gulf	3,747	2.86	3,683	2.89	3,001	3.36	64	682	-0.03	-0.47	1.7	22.7	-1.0	-14.0	Gulf
Hamilton	2,957	2.94	2,904	2.99	2,353	3.26	53	551	-0.05	-0.27	1.8	23.4	-1.7	-8.3	Hamilton
Hardee	6,554	3.00	6,253	3.05	4,368	3.36	301	1,885	-0.05	-0.31	4.8	43.2	-1.6	-9.2	Hardee
Hendry	6,535	3.03	5,959	3.06	3,617	3.26	576	2,342	-0.03	-0.20	9.7	64.7	-1.0	-6.1	Hendry
Hernando	21,454	2.44	17,735	2.48	6,084	2.77	3,719	11,651	-0.04	-0.29	21.0	191.5	-1.6	-10.5	Hernando
Highlands	21,230	2.37	18,960	2.43	10,468	2.78	2,270	8,492	-0.06	-0.35	12.0	81.1	-2.5	-12.6	Highlands
Hillsborough	253,752	2.62	237,943	2.66	158,750	3.02	15,809	79,193	-0.04	-0.36	6.6	49.9	-1.5	-11.9	Hillsborough
Holmes	5,418	2.81	5,244	2.79	3,550	3.00	174	1,694	0.02	-0.21	3.3	47.7	0.7	-7.0	Holmes
Indian River	26,425	2.46	23,331	2.49	12,325	2.90	3,094	11,006	-0.03	-0.41	13.3	89.3	-1.2	-14.1	Indian River
Jackson	13,543	2.72	13,332	2.76	10,295	3.10	211	3,037	-0.04	-0.34	1.6	29.5	-1.4	-11.0	Jackson
Jefferson	3,652	2.98	3,486	3.04	2,481	3.50	166	1,005	-0.06	-0.46	4.8	40.5	-2.0	-13.1	Jefferson
Lafayette	1,448	2.81	1,413	2.86	955	3.03	35	458	-0.05	-0.17	2.5	48.0	-1.7	-5.6	Lafayette
Lake	45,276	2.42	41,650	2.47	24,621	2.77	3,626	17,029	-0.05	-0.30	8.7	69.2	-2.0	-10.8	Lake
Lee	92,989	2.42	82,509	2.46	37,313	2.77	10,480	45,196	-0.04	-0.31	12.7	121.1	-1.6	-11.2	Lee
Leon	57,666	2.53	54,103	2.57	31,022	3.03	3,563	23,081	-0.04	-0.46	6.6	74.4	-1.6	-15.2	Leon
Levy	7,970	2.67	7,267	2.70	4,175	3.04	703	3,092	-0.03	-0.34	9.7	74.1	-1.1	-11.2	Levy
Liberty	1,538	2.78	1,485	2.82	1,064	3.17	53	421	-0.04	-0.35	3.6	39.6	-1.4	-11.0	Liberty
Madison	5,120	2.93	4,977	2.98	4,000	3.29	143	977	-0.05	-0.31	2.9	24.4	-1.7	-9.4	Madison
Manatee	67,403	2.33	61,998	2.36	38,488	2.50	5,405	23,510	-0.03	-0.14	8.7	61.1	-1.3	-5.6	Manatee
Marion	50,664	2.61	45,458	2.64	22,317	3.03	5,206	23,141	-0.03	-0.39	11.5	103.7	-1.1	-12.9	Marion
Martin	29,309	2.37	25,863	2.40	10,122	2.72	3,446	15,741	-0.03	-0.32	13.3	155.5	-1.2	-11.8	Martin
Monroe	27,907	2.30	26,340	2.34	16,827	2.89	1,567	9,513	-0.04	-0.55	5.9	56.5	-1.7	-19.0	Monroe
Nassau	12,066	2.92	10,976	2.98	6,018	3.42	1,090	4,958	-0.06	-0.44	9.9	82.4	-2.0	-12.9	Nassau
Okaloosa	40,782	2.79	37,538	2.84	24,915	3.38	3,244	12,623	-0.05	-0.54	8.6	50.7	-1.8	-16.0	Okaloosa
Okeechobee	7,868	2.78	6,981	2.85	3,178	3.34	887	3,803	-0.07	-0.49	12.7	119.7	-2.5	-14.7	Okeechobee
Orange	182,571	2.62	170,754	2.67	108,645	3.07	11,817	62,109	-0.05	-0.40	6.9	57.2	-1.9	-13.0	Orange
Osceola	22,725	2.56	18,615	2.60	9,092	2.74	4,110	9,523	-0.04	-0.14	22.1	104.7	-1.5	-5.1	Osceola
Palm Beach	264,335	2.37	234,339	2.42	123,347	2.78	29,996	110,992	-0.05	-0.36	12.8	90.0	-2.1	-12.9	Palm Beach
Pasco	90,318	2.31	81,346	2.34	30,361	2.46	8,972	50,985	-0.03	-0.12	11.0	167.9	-1.3	-4.9	Pasco
Pinellas	334,758	2.22	319,527	2.25	211,301	2.43	15,231	108,226	-0.03	-0.18	4.8	51.2	-1.3	-7.4	Pinellas
Polk	122,122	2.66	114,394	2.70	74,024	3.05	7,728	40,370	-0.04	-0.35	6.8	54.5	-1.5	-11.5	Polk
Putnam	19,560	2.68	18,397	2.72	11,494	3.12	1,163	6,903	-0.04	-0.40	6.3	60.1	-1.5	-12.8	Putnam
St. Johns	21,190	2.59	18,623	2.65	10,004	2.93	2,567	8,619	-0.06	-0.28	13.8	86.2	-2.3	-9.6	St. Johns
St. Lucie	38,291	2.61	32,506	2.65	16,847	2.98	5,785	15,659	-0.04	-0.33	17.8	92.9	-1.5	-11.1	St. Lucie
Santa Rosa	19,680	2.90	18,595	2.94	10,846	3.34	1,085	7,749	-0.04	-0.40	5.8	71.4	-1.4	-12.0	Santa Rosa
Sarasota	95,990	2.22	88,739	2.25	48,634	2.44	7,251	40,105	-0.03	-0.19	8.2	82.5	-1.3	-7.8	Sarasota
Seminole	69,453	2.79	63,247	2.82	25,757	3.23	6,206	37,490	-0.03	-0.41	9.8	145.6	-1.1	-12.7	Seminole
Sumter	9,040	2.65	8,582	2.68	4,627	3.05	458	3,955	-0.03	-0.37	5.3	85.5	-1.1	-12.1	Sumter
Suwannee	8,391	2.81	7,739	2.84	4,855	3.16	652	2,884	-0.03	-0.32	8.4	59.4	-1.1	-10.1	Suwannee
Taylor	6,170	2.77	5,826	2.83	4,227	3.22	344	1,599	-0.06	-0.39	5.9	37.8	-2.1	-12.1	Taylor
Union	2,273	2.90	2,119	2.95	1,639	3.25	154	480	-0.05	-0.30	7.3	29.3	-1.7	-9.2	Union
Volusia	114,627	2.36	105,773	2.39	62,747	2.62	8,854	43,026	-0.03	-0.23	8.4	68.6	-1.3	-8.8	Volusia
Wakulla	3,855	2.84	3,730	2.89	1,926	3.26	125	1,804	-0.05	-0.37	3.4	93.7	-1.7	-11.3	Wakulla
Walton	8,542	2.59	8,043	2.64	5,270	3.05	499	2,773	-0.05	-0.41	6.2	52.6	-1.9	-13.4	Walton
Washington	5,487	2.71	5,235	2.75	3,620	3.14	252	1,615	-0.04	-0.39	4.8	44.6	-1.5	-12.4	Washington

1982, growing by 30,000. Other high-growth counties were Broward with 26,000, Dade with 22,900, Hillsborough with 15,800 and Pinellas with 15,200. In terms of percentage increases the most rapidly growing county was Osceola, where the number of households grew by 22 percent between 1980 and 1982. Close behind were Flagler and Hernando with 21 percent, and Collier and Gilchrist with 19 percent.

No county in Florida has experienced a decline in number of households since 1980, but in some counties the increase has been very small. In Calhoun, Gulf, Hamilton, Lafayette and Liberty counties, the number of households increased by fewer than 100 between 1980 and 1982.

Average household size

Average household size declined rapidly in Florida between 1970 and 1980, from 2.90 to 2.55. This decline was caused by lower birth rates, higher proportions of one-person households and the heavy inmigration of older persons. Since 1980, the decline in average household size has been quite small, as birth rates have increased slightly and a large number of foreign immigrants have moved in with members of existing households. Every county experienced a small decline in average household size between 1980 and 1982 except Dade, where the effects of foreign immigration were strongest and average household size rose by more than 2 percent.

Average household size in 1982 was largest in Gadsden County with 3.21. Other counties with large average household sizes were Baker with 3.15, Hendry with 3.03 and Hardee with 3.00. Counties with the smallest average household sizes were Charlotte, Pinellas and Sarasota, each with 2.22. All three of these counties have very high proportions of elderly persons in their populations, causing the average household size to be quite small.

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ISSN 0071-6030

P. S. POPULATION Studies

Projections of Florida population by age and sex, 1985-2020

Stanley K. Smith, Population Program Director
Faith Sincich, Assistant in Research

The projections shown in this bulletin were produced using a cohort-component methodology in which births, deaths and net migration are projected separately for each age-sex cohort in the population. These projections refer only to the permanent resident population of the state of Florida and do not include seasonal residents or tourists.

The base for these projections is the April 1, 1980 population of Florida as enumerated in the decennial census. Survival rates are applied to each age-sex cohort to project expected mortality. These rates are based on the 1969-1971 Florida Life Tables published by the Department of Health, Education and Welfare. The survival rates are adjusted upward in 1980, 1990 2000 and 2010 to account for projected increases in life expectancy (Current Population Reports, Series P-25, No. 601, October 1975).

Net migration is the difference between the number of persons moving into an area and the number moving out during a certain period of time. Net migration is the most important component of population growth in Florida, accounting for more than 90 percent of growth between 1970 and 1980. Projections of net migration by age and sex are based on estimates of net migration between 1970 and 1980. Since levels of net migration can change considerably over time, three different sets of migration rates are used. These three sets provide three different but feasible scenarios regarding future population growth.

Levels of net migration are added to the survived base population to give the projected population aged five and older. Births and net migration for children younger than age five are projected by applying age-specific birth rates to the female population. Birth rates are based on birth and age group data for 1980, and imply a total fertility rate of 1.75.

Projections are made in five-year intervals and each projection serves as the base for the following projection. A more detailed description of the methodology and assumptions used will be published in Population Studies, Bulletin No. 65, June, 1983.

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Bulletin No. 64 **May, 1983**

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Table 1.—Projections of Florida po

LOW PROJECTION

TOTAL	Census 1980		1985		1990		2000		2020	
AGE	POP.	%	POP.	%	POP.	%	POP.	%	POP.	%
ALL	9,746,324	100.0	10,694,300	100.0	11,539,700	100.0	12,918,100	100.0	14,974,300	100.0
0-4	570,224	5.9	678,200	6.3	703,700	6.1	671,600	5.2	708,100	4.7
5-9	621,534	6.4	620,600	5.8	731,300	6.3	739,200	5.7	750,000	5.0
10-14	685,016	7.0	674,100	6.3	668,200	5.8	804,200	6.2	771,700	5.2
15-19	811,340	8.3	734,100	6.9	715,100	6.2	821,200	6.4	783,400	5.2
20-24	811,427	8.3	863,100	8.1	773,200	6.7	737,600	5.7	811,800	5.4
25-29	739,848	7.6	872,300	8.2	915,800	7.9	785,100	6.1	881,300	5.9
30-34	671,563	6.9	806,700	7.5	934,700	8.1	862,500	6.7	949,500	6.3
35-39	554,240	5.7	731,700	6.8	863,400	7.5	1,025,300	7.9	966,000	6.5
40-44	484,538	5.0	597,700	5.6	778,500	6.7	1,040,800	8.1	874,300	5.8
45-49	471,279	4.8	518,700	4.9	630,900	5.5	949,600	7.4	915,700	6.1
50-54	517,881	5.3	501,600	4.7	546,800	4.7	851,400	6.6	990,000	6.6
55-59	555,209	5.7	556,300	5.2	533,100	4.6	693,100	5.4	1,153,700	7.7
60-64	564,652	5.8	603,600	5.6	599,100	5.2	607,800	4.7	1,172,600	7.8
65-69	579,012	5.9	591,200	5.5	630,900	5.5	582,400	4.5	1,054,500	7.0
70-74	480,141	4.9	552,200	5.2	562,800	4.9	587,300	4.5	874,500	5.8
75-79	329,211	3.4	404,100	3.8	465,000	4.0	509,200	3.9	588,600	3.9
80-84	181,867	1.9	238,100	2.2	292,500	2.5	350,200	2.7	365,600	2.4
85+	117,342	1.2	150,200	1.4	194,600	1.7	299,600	2.3	363,000	2.4

FEMALE	Census 1980		1985		1990		2000		2020	
AGE	POP.	%	POP.	%	POP.	%	POP.	%	POP.	%
ALL	5,070,698	100.0	5,559,000	100.0	5,998,000	100.0	6,699,600	100.0	7,749,500	100.0
0-4	278,938	5.5	322,100	5.8	334,300	5.6	319,000	4.8	336,300	4.3
5-9	304,280	6.0	303,500	5.5	348,100	5.8	351,800	5.3	356,800	4.6
10-14	335,102	6.6	330,000	5.9	326,900	5.4	383,500	5.7	367,800	4.7
15-19	399,882	7.9	360,500	6.5	351,500	5.9	393,700	5.9	375,100	4.8
20-24	407,182	8.0	428,100	7.7	382,500	6.4	364,700	5.4	391,600	5.1
25-29	373,090	7.4	438,100	7.9	456,000	7.6	390,000	5.8	427,400	5.5
30-34	341,777	6.7	404,400	7.3	469,800	7.8	429,000	6.4	461,900	6.0
35-39	285,069	5.6	370,400	6.7	433,700	7.2	512,100	7.6	471,600	6.1
40-44	249,750	4.9	306,200	5.5	394,900	6.6	524,900	7.8	436,500	5.6
45-49	243,344	4.8	267,300	4.8	325,100	5.4	481,200	7.2	460,300	5.9
50-54	275,650	5.4	262,500	4.7	285,900	4.8	440,700	6.6	504,300	6.5
55-59	304,683	6.0	302,000	5.4	285,500	4.8	370,000	5.5	601,700	7.8
60-64	312,738	6.2	337,500	6.1	332,400	5.5	332,700	5.0	631,600	8.2
65-69	320,577	6.3	333,200	6.0	358,800	6.0	326,200	4.9	582,400	7.5
70-74	268,123	5.3	314,800	5.7	325,700	5.4	341,700	5.1	501,300	6.5
75-79	188,167	3.7	236,400	4.3	277,200	4.6	310,800	4.6	355,500	4.6
80-84	107,993	2.1	144,700	2.6	181,500	3.0	224,100	3.3	233,900	3.0
85+	74,353	1.5	97,200	1.7	128,300	2.1	203,600	3.0	253,600	3.3

MALE	Census 1980		1985		1990		2000		2020	
AGE	POP.	%	POP.	%	POP.	%	POP.	%	POP.	%
ALL	4,675,626	100.0	5,135,300	100.0	5,541,700	100.0	6,218,400	100.0	7,224,700	100.0
0-4	291,286	6.2	356,000	6.9	369,400	6.7	352,600	5.7	371,800	5.1
5-9	317,254	6.8	317,100	6.2	383,300	6.9	387,400	6.2	393,200	5.4
10-14	349,914	7.5	344,000	6.7	341,300	6.2	420,600	6.8	403,900	5.6
15-19	411,458	8.8	373,600	7.3	363,600	6.6	427,500	6.9	408,300	5.7
20-24	404,245	8.6	435,000	8.5	390,700	7.0	372,900	6.0	420,300	5.8
25-29	366,758	7.8	434,200	8.5	459,800	8.3	395,100	6.4	453,900	6.3
30-34	329,736	7.1	402,300	7.8	464,900	8.4	433,500	7.0	487,600	6.7
35-39	269,171	5.8	361,200	7.0	429,800	7.8	513,300	8.3	494,400	6.8
40-44	234,788	5.0	291,500	5.7	383,700	6.9	515,900	8.3	437,800	6.1
45-49	227,935	4.9	251,400	4.9	305,800	5.5	468,400	7.5	455,300	6.3
50-54	242,231	5.2	239,100	4.7	260,800	4.7	410,700	6.6	485,700	6.7
55-59	250,526	5.4	254,300	5.0	247,600	4.5	323,100	5.2	552,000	7.6
60-64	251,914	5.4	266,100	5.2	266,800	4.8	275,100	4.4	541,000	7.5
65-69	258,435	5.5	258,000	5.0	272,100	4.9	256,100	4.1	472,100	6.5
70-74	212,018	4.5	237,300	4.6	237,100	4.3	245,700	4.0	373,300	5.2
75-79	141,044	3.0	167,700	3.3	187,700	3.4	198,400	3.2	233,100	3.2
80-84	73,874	1.6	93,400	1.8	111,000	2.0	126,100	2.0	131,700	1.8
85+	42,989	0.9	53,000	1.0	66,300	1.2	96,000	1.5	109,300	1.5

ılation by age and sex, 1985-2020

MEDIUM PROJECTION

TOTAL	Census 1980		1985		1990		2000		2020	
AGE	POP.	%	POP.	%	POP.	%	POP.	%	POP.	%
ALL	9,746,324	100.0	11,155,600	100.0	12,478,700	100.0	14,820,700	100.0	18,810,200	100.0
0-4	570,224	5.9	691,200	6.2	741,400	5.9	749,400	5.1	862,200	4.6
5-9	621,534	6.4	647,400	5.8	774,600	6.2	828,500	5.6	917,100	4.9
10-14	685,016	7.0	700,900	6.3	721,600	5.8	904,100	6.1	946,900	5.0
15-19	811,340	8.3	760,100	6.8	765,800	6.1	920,700	6.2	961,300	5.1
20-24	811,427	8.3	891,000	8.0	823,300	6.6	836,500	5.6	994,500	5.3
25-29	739,848	7.6	904,900	8.1	976,100	7.8	883,400	6.0	1,079,500	5.7
30-34	671,563	6.9	840,700	7.5	1,005,100	8.1	972,800	6.6	1,164,900	6.2
35-39	554,240	5.7	763,300	6.8	933,000	7.5	1,160,600	7.8	1,184,200	6.3
40-44	484,538	5.0	623,000	5.6	842,000	6.7	1,188,200	8.0	1,087,300	5.8
45-49	471,279	4.8	540,700	4.8	682,000	5.5	1,089,100	7.3	1,132,200	6.0
50-54	517,881	5.3	526,500	4.7	594,100	4.8	983,100	6.6	1,232,400	6.6
55-59	555,209	5.7	591,900	5.3	589,600	4.7	811,000	5.5	1,454,400	7.7
60-64	564,652	5.8	651,900	5.8	678,800	5.4	727,200	4.9	1,518,900	8.1
65-69	579,012	5.9	635,100	5.7	721,800	5.8	711,900	4.8	1,395,400	7.4
70-74	480,141	4.9	578,400	5.2	628,100	5.0	719,100	4.9	1,165,400	6.2
75-79	329,211	3.4	413,400	3.7	496,300	4.0	609,200	4.1	777,300	4.1
80-84	181,867	1.9	240,900	2.2	302,200	2.4	399,400	2.7	474,900	2.5
85+	117,342	1.2	154,400	1.4	203,000	1.6	326,600	2.2	461,500	2.5

FEMALE	Census 1980		1985		1990		2000		2020	
AGE	POP.	%	POP.	%	POP.	%	POP.	%	POP.	%
ALL	5,070,698	100.0	5,793,200	100.0	6,476,600	100.0	7,678,900	100.0	9,741,400	100.0
0-4	278,938	5.5	328,300	5.7	352,200	5.4	356,000	4.6	409,500	4.2
5-9	304,280	6.0	316,400	5.5	368,900	5.7	394,500	5.1	436,500	4.5
10-14	335,102	6.6	343,200	5.9	352,900	5.4	431,800	5.6	451,800	4.6
15-19	399,882	7.9	373,800	6.5	376,800	5.8	442,600	5.8	461,200	4.7
20-24	407,182	8.0	442,800	7.6	408,500	6.3	414,400	5.4	481,400	4.9
25-29	373,090	7.4	454,600	7.8	486,900	7.5	439,800	5.7	525,700	5.4
30-34	341,777	6.7	421,200	7.3	504,800	7.8	484,700	6.3	568,900	5.8
35-39	285,069	5.6	386,100	6.7	468,000	7.2	579,700	7.5	580,200	6.0
40-44	249,750	4.9	318,700	5.5	426,300	6.6	597,900	7.8	542,800	5.6
45-49	243,344	4.8	278,500	4.8	350,800	5.4	550,800	7.2	569,000	5.8
50-54	275,650	5.4	276,000	4.8	311,000	4.8	508,600	6.6	628,300	6.5
55-59	304,683	6.0	321,600	5.6	316,500	4.9	433,200	5.6	759,200	7.8
60-64	312,738	6.2	362,800	6.3	375,500	5.8	397,700	5.2	816,300	8.4
65-69	320,577	6.3	354,800	6.1	406,100	6.3	396,400	5.2	766,100	7.9
70-74	268,123	5.3	327,100	5.6	358,200	5.5	412,900	5.4	661,100	6.8
75-79	188,167	3.7	240,700	4.2	292,400	4.5	365,400	4.8	463,500	4.8
80-84	107,993	2.1	146,200	2.5	186,500	2.9	251,400	3.3	300,200	3.1
85+	74,353	1.5	100,300	1.7	134,500	2.1	221,300	2.9	319,800	3.3

MALE	Census 1980		1985		1990		2000		2020	
AGE	POP.	%	POP.	%	POP.	%	POP.	%	POP.	%
ALL	4,675,626	100.0	5,362,400	100.0	6,002,100	100.0	7,141,800	100.0	9,068,700	100.0
0-4	291,286	6.2	362,900	6.8	389,200	6.5	393,400	5.5	452,700	5.0
5-9	317,254	6.8	330,900	6.2	405,600	6.8	434,000	6.1	480,600	5.3
10-14	349,914	7.5	357,700	6.7	368,700	6.1	472,300	6.6	495,200	5.5
15-19	411,458	8.8	386,300	7.2	389,000	6.5	478,100	6.7	500,000	5.5
20-24	404,245	8.6	448,200	8.4	414,800	6.9	422,100	5.9	513,100	5.7
25-29	366,758	7.8	450,300	8.4	489,200	8.1	443,600	6.2	553,900	6.1
30-34	329,786	7.1	419,500	7.8	500,300	8.3	488,200	6.8	596,000	6.6
35-39	269,171	5.8	377,200	7.0	465,000	7.7	580,900	8.1	603,900	6.7
40-44	234,788	5.0	304,300	5.7	415,700	6.9	590,300	8.3	544,500	6.0
45-49	227,935	4.9	262,100	4.9	331,200	5.5	538,300	7.5	563,200	6.2
50-54	242,231	5.2	250,500	4.7	283,100	4.7	474,400	6.6	604,100	6.7
55-59	250,526	5.4	270,400	5.0	273,100	4.6	377,800	5.3	695,200	7.7
60-64	251,914	5.4	289,000	5.4	303,300	5.1	329,500	4.6	702,600	7.7
65-69	258,435	5.5	280,300	5.2	315,700	5.3	315,400	4.4	629,300	6.9
70-74	212,018	4.5	251,300	4.7	269,900	4.5	306,200	4.3	504,300	5.6
75-79	141,044	3.0	172,700	3.2	203,900	3.4	243,900	3.4	313,800	3.5
80-84	73,874	1.6	94,700	1.8	115,700	1.9	148,000	2.1	174,700	1.9
85+	42,989	0.9	54,100	1.0	68,600	1.1	105,300	1.5	141,700	1.6

Table 1.—Projections of Florida population by age and sex, 1985-2020,(continued)

HIGH PROJECTION

TOTAL	Census 1980		1985		1990		2000		2020	
AGE	POP.	%	POP.	%	POP.	%	POP.	%	POP.	%
ALL	9,746,324	100.0	11,386,200	100.0	12,948,200	100.0	15,940,500	100.0	21,821,200	100.0
0-4	570,224	5.9	697,700	6.1	760,200	5.9	794,000	5.0	978,700	4.5
5-9	621,534	6.4	660,700	5.8	796,200	6.1	880,200	5.5	1,044,600	4.8
10-14	685,016	7.0	714,300	6.3	748,300	5.8	964,500	6.1	1,083,000	5.0
15-19	811,340	8.3	773,100	6.8	791,100	6.1	979,900	6.1	1,097,700	5.0
20-24	811,427	8.3	904,900	7.9	848,300	6.6	893,600	5.6	1,135,000	5.2
25-29	739,848	7.6	921,200	8.1	1,006,200	7.8	940,600	5.9	1,231,600	5.6
30-34	671,563	6.9	857,700	7.5	1,040,300	8.0	1,038,100	6.5	1,332,900	6.1
35-39	554,240	5.7	779,100	6.8	967,800	7.5	1,240,900	7.8	1,354,400	6.2
40-44	484,538	5.0	635,600	5.6	873,700	6.7	1,275,000	8.0	1,251,000	5.7
45-49	471,279	4.8	551,600	4.8	707,500	5.5	1,170,900	7.3	1,300,000	6.0
50-54	517,881	5.3	539,000	4.7	617,700	4.8	1,060,900	6.7	1,422,900	6.5
55-59	555,209	5.7	609,800	5.4	617,900	4.8	881,900	5.5	1,694,900	7.8
60-64	564,652	5.8	676,000	5.9	718,700	5.6	800,000	5.0	1,802,300	8.3
65-69	579,012	5.9	657,000	5.8	767,300	5.9	790,300	5.0	1,677,900	7.7
70-74	480,141	4.9	591,500	5.2	660,800	5.1	796,600	5.0	1,403,100	6.4
75-79	329,211	3.4	418,100	3.7	512,000	4.0	665,200	4.2	925,100	4.2
80-84	181,867	1.9	242,300	2.1	307,100	2.4	425,900	2.7	555,300	2.5
85+	117,342	1.2	156,400	1.4	207,200	1.6	342,000	2.1	530,900	2.4

FEMALE	Census 1980		1985		,1990		2000		2020	
AGE	POP.	%	POP.	%	POP.	%	POP.	%	POP.	%
ALL	5,070,698	100.0	5,910,300	100.0	6,715,900	100.0	8,254,100	100.0	11,300,100	100.0
0-4	278,938	5.5	331,400	5.6	361,100	5.4	377,100	4.6	464,900	4.1
5-9	304,280	6.0	322,900	5.5	379,300	5.6	419,300	5.1	497,400	4.4
10-14	335,102	6.6	349,700	5.9	365,900	5.4	460,900	5.6	517,100	4.6
15-19	399,882	7.9	380,400	6.4	389,400	5.8	471,700	5.7	527,600	4.7
20-24	407,182	8.0	450,100	7.6	421,400	6.3	443,200	5.4	551,000	4.9
25-29	373,090	7.4	462,900	7.8	502,400	7.5	468,800	5.7	601,500	5.3
30-34	341,777	6.7	429,600	7.3	522,300	7.8	517,500	6.3	652,500	5.8
35-39	285,069	5.6	394,000	6.7	485,200	7.2	619,700	7.5	664,900	5.9
40-44	249,750	4.9	325,000	5.5	442,000	6.6	640,800	7.8	624,100	5.5
45-49	243,344	4.8	284,100	4.8	363,700	5.4	591,600	7.2	652,900	5.8
50-54	275,650	5.4	282,800	4.8	323,500	4.8	548,900	6.7	725,600	6.4
55-59	304,683	6.0	331,300	5.6	332,000	4.9	471,300	5.7	885,400	7.8
60-64	312,738	6.2	375,500	6.4	397,100	5.9	437,300	5.3	967,400	8.6
65-69	320,577	6.3	365,700	6.2	429,700	6.4	438,600	5.3	917,200	8.1
70-74	268,123	5.3	333,200	5.6	374,400	5.6	454,300	5.5	789,800	7.0
75-79	188,167	3.7	242,800	4.1	300,100	4.5	395,500	4.8	546,400	4.8
80-84	107,993	2.1	147,000	2.5	189,000	2.8	266,000	3.2	348,000	3.1
85+	74,353	1.5	101,800	1.7	137,500	2.0	231,600	2.8	366,400	3.2

MALE	Census 1980		1985		1990		2000		2020	
AGE	POP.	%	POP.	%	POP.	%	POP.	%	POP.	%
ALL	4,675,626	100.0	5,475,900	100.0	6,232,300	100.0	7,686,300	100.0	10,521,100	100.0
0-4	291,286	6.2	366,300	6.7	399,100	6.4	416,800	5.4	513,800	4.9
5-9	317,254	6.8	337,800	6.2	416,800	6.7	460,900	6.0	547,200	5.2
10-14	349,914	7.5	364,600	6.7	382,400	6.1	503,500	6.6	565,900	5.4
15-19	411,458	8.8	392,700	7.2	401,700	6.4	508,100	6.6	570,000	5.4
20-24	404,245	8.6	454,800	8.3	426,900	6.8	450,400	5.9	584,000	5.6
25-29	366,758	7.8	458,300	8.4	503,800	8.1	471,800	6.1	630,100	6.0
30-34	329,786	7.1	428,200	7.8	518,000	8.3	520,700	6.8	680,400	6.5
35-39	269,171	5.8	385,100	7.0	482,600	7.7	621,300	8.1	689,500	6.6
40-44	234,788	5.0	310,600	5.7	431,700	6.9	634,300	8.3	626,900	6.0
45-49	227,935	4.9	267,500	4.9	343,900	5.5	579,300	7.5	647,100	6.2
50-54	242,231	5.2	256,300	4.7	294,200	4.7	512,000	6.7	697,200	6.6
55-59	250,526	5.4	278,400	5.1	285,900	4.6	410,600	5.3	809,500	7.7
60-64	251,914	5.4	300,500	5.5	321,600	5.2	362,700	4.7	834,900	7.9
65-69	258,435	5.5	291,400	5.3	337,600	5.4	351,700	4.6	760,700	7.2
70-74	212,018	4.5	258,300	4.7	286,300	4.6	342,300	4.5	613,400	5.8
75-79	141,044	3.0	175,300	3.2	211,900	3.4	269,700	3.5	378,700	3.6
80-84	73,874	1.6	95,300	1.7	118,100	1.9	159,900	2.1	207,300	2.0
85+	42,989	0.9	54,600	1.0	69,700	1.1	110,400	1.4	164,500	1.6

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Projections of Florida population by county

1985-2020

Stanley K. Smith
Population Program Director
and
Faith Sincich
Assistant in Research

P.S. Population Studies

People are fascinated by the future. Palm readers, astrologers and crystal ball gazers down through the centuries have found eager buyers for their predictions of future events. Modern-day researchers and forecasters, using computers and large-scale models, continue to find willing audiences for their forecasts.

There is particularly great interest in population projections, and for good reason: many types of public and private planning--for schools, hospitals, stores, houses, service stations, roads and countless other projects--require some information on future population trends. Yet the future is essentially unknowable. No matter how scientific and sophisticated our projection techniques, we cannot produce perfect predictions of future population trends. In spite of years of developing high-quality data, statistical techniques and computer hardware, we still cannot "see" into the future.

We are not completely lost, of course. We can observe population trends that have occurred in the past. We can collect data and build models based on historical trends and relationships. We can then make projections from these models showing what would happen if past trends continued or varied in some particular way. Since the future is intimately tied to the past, these projections will often provide reasonably accurate forecasts of future population change. If constructed and interpreted properly, population projections--although certainly not perfect predictions of the future--can be extremely useful tools for planning and policy analysis.

The projections published in this bulletin are for the permanent resident population of Florida; they do not include tourists or part-time, seasonal residents. Since the future cannot be predicted with absolute certainty, we have produced three sets of projections: low, medium and high. We believe the medium projection is more likely to provide an accurate forecast of future population change than either the low or high projections. The low and high projections, however, provide an indication of the range in which the future population might lie. While these projections provide useful benchmarks for planning and policy analysis, they should not be interpreted as the only possible scenarios for future population change. Other sources of information at the local level should be considered when using the projections for planning purposes (particularly for small counties).

Population Division
BUREAU OF ECONOMIC & BUSINESS RESEARCH
BEBR
UNIVERSITY OF FLORIDA
College of
Business Administration

Bulletin No. 65 **June, 1983**

This public document was promulgated at an annual cost of $177.15 or $0.12 per copy to make available information about population in Florida. The sales cost of this publication was set to cover the total cost of producing it. The "annual cost" to the Bureau shown above is only that part of the cost paid out of state funds.

State projections

The starting point of the state projection is the Florida population by age and sex, as counted by the United States Bureau of the Census on April 1, 1980. This base population is survived forward by applying survival rates to each male and female age cohort. These survival rates are based on the Florida Life Tables for 1969-1971 (U.S. Department of Health, Education and Welfare (HRA) 75-1151). The life table survival rates are adjusted upward in 1980, 1990, 2000 and 2010 to take account of expected increases in longevity. These adjustments are based on projections of survival rates for the United States population (U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 601, October 1975). The application of survival rates provides a projection of the Florida population in the absence of births and migration.

Net migration is the difference between the number of people moving into an area and the number moving out. Estimates of net migration into Florida between 1970 and 1980 were made for each age-sex group using the 1970 and 1980 censuses and Florida survival rates. These ten-year net migration estimates were transformed into five-year estimates by dividing by two and adjusting for mortality. They were made into rates by dividing the net migration number for each age-sex group by the number of people in the United States population in the same age-sex group. Projections of net migration are produced by multiplying these net migration rates by the middle series projections of the United States population at the beginning of each projection period (U. S. Bureau of the Census, Current Population Reports, Series P-25, No. 922, October 1982).

Projections of births in Florida are based on the number of births by age of mother and the age structure of the female population in 1980. These data show Florida to have had a Total Fertility Rate (TFR) of 1.75 in 1980, which means that Florida women would have an average of 1.75 births during their lifetimes if these rates were to continue unchanged. Births are projected by applying these age-specific birth rates to the mid-period female population for each period in the projection horizon. It is assumed that age-specific birth rates will remain constant during the period covered by the projections.

Natural increase (the difference between the number of births and the number of deaths) is very small in Florida, accounting for less than 10 percent of population growth. Reasonable variations in birth and death assumptions therefore have very little impact on total population change. Net migration, on the other hand, has a major impact and is subject to large changes over time. During the 1970s net migration was greater than 400,000 some years and less than 150,000 other years. Since net migration is such a large and volatile component of Florida population growth we have applied three different migration assumptions, giving rise to three different sets of population projections. The low assumption implies net migration of 160,000 to 180,000 per year, similar to the numbers prevailing during the 1960s and several of the slow-growth years of the mid-1970s. The high assumption implies net migration of 300,000 to 400,000 per year, similar to the numbers prevailing during the rapid-growth years of the early 1970s. The medium assumption implies net migration of 250,000 to 290,000 per year, roughly the average during the entire decade of the 1970s.

The projections are made in five-year intervals. The 1980 population is survived forward to 1985 by applying survival rates to each age-sex group. Net migration rates by age and sex are applied to the United States population and the resulting numbers are added to the surviving Florida population, giving the 1985 Florida population age five and older. Age-specific birth rates are applied to the female population age 15-44, using an average of the 1980 and 1985 populations to account for migration. This provides a projection of the population younger than age five, completing the total population projection for 1985. The same steps are repeated to produce state-level projections quinquennially to the year 2020.

County projections

While the cohort-component technique is a good way to make projections at the state level, it provides unsatisfactory results for many counties in Florida because many counties do not have a large enough population base upon which to apply the technique. Other methods must be used. For Florida's 67 counties we make projections based on six different techniques and three

different base periods. The techniques are linear extrapolation, linear regression, exponential extrapolation, share-of-growth, shift share and constant share. These six techniques provide six different ways of looking at the future. The three base periods are 1970-1982, 1976-1982 and 1979-1982. These provide historical data from the relatively long-run, intermediate-run and recent past, respectively. Since no single technique or base period is inherently superior to all others, using a number of different ones is likely to improve the reliability of county population projections.

The starting point for the county projections is the 1982 estimate of total population produced by the Bureau of Economic and Business Research. Ten projections are made using a combination of the six techniques and three base periods described above. Three projections are made using the linear extrapolation technique in which future absolute population changes are assumed to be the same as past absolute population changes. One uses a base period of 1970-1982, one uses 1976-1982 and one uses 1979-1982. One projection is based on the linear regression of population on time from 1970 to 1982. One projection is made using the exponential growth rate technique in which the future population is assumed to change at the same annual rate as it changed between 1976 and 1982. Three projections are made using a share-of-growth technique in which it is assumed that each county's share of the state's future population growth will be the same as it was during the base periods or 1970-1982, 1976-1982 and 1979-1982. One projection is made using a shift-share technique in which it is assumed that each county's share of the state population will change by the same linear amount as it changed between 1970 and 1982. One projection is made using a constant share technique in which it is assumed that each county's share of state population will remain the same as it was in 1982.

These techniques produce ten different sets of projections for each county. For 1985 the medium projection is made by taking the average of all ten projections. For 1990 the medium projection is made by excluding the two highest and two lowest projections and taking the average of the remaining six projections. Our research has shown that taking the average of a number of different projections leads to more accurate forecasts and reduces the chances of making large errors. For 1995 and 2000 we exclude the exponential growth rate and shift-share techniques because such nonlinear techniques tend to "explode" when carried too far into the future. Of the remaining eight projections, the two highest and two lowest are again excluded and the medium projection is based on the average of the remaining four projections. For the years from 2005 to 2020 we hold each county's share of state population at the same level it was in 2000. We believe that the continued extrapolation of past trends this far into the future is likely to be counter-productive. Some counties will grow more rapidly than before, others will grow more slowly. Unfortunately, there is no way to know which specific counties will fall into which of these two groups. Consequently, we take a middle-of-the-road approach and hold shares constant.

In a number of counties we make special adjustments to the population before applying the techniques described above. This is done to account for such special populations as university students, military personnel or prison inmates. Adjustments are made for counties in which these special populations account for a large proportion of total population or where the special populations have moved counter to trends for the rest of the population. In the present set of projections adjustments were made for Alachua, Baker, Brevard, Dade, Duval, Gadsden, Jackson, Monroe, Leon, Santa Rosa and Union counties.

The techniques described above are used to make the medium set of population projections. This is the set we believe is most likely to provide an accurate forecast of future population. We have also made a low and high set of projections to provide an indication of the potential variation around the medium projection. The low and high projections are based on an analysis of the errors observed when the projection techniques were applied to historic data. Although the analysis is still preliminary, we believe there is roughly a 90 percent probability that future populations will fall between the low and high projections.

Note: For the medium series, the sum of the county projections equals the state pro-

(Continued on back page.)

Table 1.—Florida state and county population estimates for April 1, 1982, and projections for 1985-2020

COUNTY	ESTIMATE APRIL 1 1982	PROJECTIONS, APRIL 1 1985	1990	1995	2000	2010	2020
ALACHUA	159,248						
LOW		163,800	174,000	181,000	185,800	191,900	190,900
MED		170,700	189,100	205,700	221,200	252,500	280,800
HI		177,500	204,200	230,400	256,600	313,100	370,600
BAKER	16,081						
LOW		16,300	17,100	17,300	17,400	16,700	15,100
MED		17,400	19,400	21,100	22,900	26,100	29,000
HI		18,400	21,700	24,900	28,400	35,500	43,000
BAY	104,477						
LOW		107,000	112,800	118,000	121,200	125,200	124,500
MED		111,500	122,600	134,000	144,300	164,700	183,100
HI		116,000	132,400	150,100	167,400	204,300	241,700
BRADFORD	20,689						
LOW		20,700	21,400	21,900	21,900	21,000	19,000
MED		22,100	24,400	26,700	28,800	32,900	36,600
HI		23,400	27,300	31,500	35,700	44,700	54,100
BREVARD	298,111						
LOW		306,700	331,600	349,400	362,300	374,200	372,200
MED		319,500	360,500	397,000	431,300	492,300	547,400
HI		332,300	389,300	444,700	500,300	610,500	722,500
BROWARD	1,067,044						
LOW		1,113,800	1,209,100	1,269,000	1,316,100	1,359,400	1,352,300
MED		1,160,200	1,314,300	1,442,100	1,566,800	1,788,700	1,988,600
HI		1,206,600	1,419,400	1,615,100	1,817,500	2,218,000	2,625,000
CALHOUN	9,270						
LOW		8,800	8,500	8,200	7,700	6,700	5,200
MED		9,600	10,100	10,800	11,300	12,900	14,300
HI		10,400	11,700	13,400	14,900	19,100	23,500
CHARLOTTE	66,430						
LOW		72,000	83,100	89,400	94,200	90,600	81,800
MED		76,600	94,400	109,100	124,000	141,500	157,400
HI		81,200	105,800	128,700	153,700	192,500	232,900
CITRUS	62,307						
LOW		68,900	80,300	88,200	94,200	90,600	81,800
MED		73,300	91,300	107,500	124,000	141,500	157,400
HI		77,600	102,200	126,900	153,700	192,500	232,900
CLAY	72,050						
LOW		76,600	85,300	90,700	94,300	90,700	81,900
MED		81,500	97,000	110,700	124,100	141,700	157,500
HI		86,400	108,600	130,600	153,900	192,700	233,100
COLLIER	98,094						
LOW		106,600	123,800	132,400	139,500	134,100	121,100
MED		113,400	140,600	161,400	183,500	209,500	232,900
HI		120,200	157,500	190,500	227,500	284,900	344,700
COLUMBIA	36,995						
LOW		37,300	38,800	39,700	39,800	38,200	34,500
MED		39,600	44,100	48,400	52,300	59,800	66,400
HI		42,000	49,300	57,100	64,900	81,300	98,300
DADE	1,729,069						
LOW		1,722,300	1,746,700	1,782,300	1,785,900	1,844,600	1,834,900
MED		1,794,100	1,898,500	2,025,400	2,126,000	2,427,100	2,698,300
HI		1,865,800	2,050,400	2,268,400	2,466,200	3,009,600	3,561,800
DE SOTO	20,153						
LOW		20,200	21,000	21,400	21,400	20,600	18,600
MED		21,500	23,900	26,100	28,200	32,200	35,800
HI		22,800	26,800	30,800	35,000	43,800	53,000
DIXIE	8,792						
LOW		8,900	9,400	9,500	9,500	8,300	6,400
MED		9,700	11,200	12,600	13,900	15,900	17,700
HI		10,500	13,000	15,600	18,400	23,500	29,000

Table 1.—Florida state and county population estimates for April 1, 1982, and projections for 1985-2020 (continued)

COUNTY	ESTIMATE APRIL 1 1982	PROJECTIONS, APRIL 1 1985	1990	1995	2000	2010	2020
DUVAL	580,737						
LOW		564,600	550,500	545,000	530,900	548,400	545,500
MED		588,100	598,400	619,300	632,100	721,600	802,200
HI		611,600	646,200	693,600	733,200	894,800	1,058,900
ESCAMBIA	245,517						
LOW		243,900	248,300	252,300	252,300	260,600	259,300
MED		254,100	269,800	286,800	300,400	343,000	381,300
HI		264,300	291,400	321,200	348,500	425,300	503,300
FLAGLER	12,959						
LOW		14,100	16,400	17,300	17,900	15,600	12,000
MED		15,400	19,600	22,700	26,300	30,000	33,300
HI		16,600	22,700	28,200	34,700	44,400	54,700
FRANKLIN	7,894						
LOW		7,400	6,900	6,500	5,900	5,200	4,000
MED		8,000	8,200	8,500	8,700	10,000	11,100
HI		8,700	9,500	10,600	11,500	14,800	18,200
GADSDEN	42,707						
LOW		41,300	41,100	40,500	39,400	37,900	34,300
MED		44,000	46,700	49,400	51,900	59,300	65,900
HI		46,600	52,300	58,300	64,400	80,600	97,500
GILCHRIST	7,051						
LOW		7,400	8,300	8,400	8,500	7,400	5,700
MED		8,100	9,800	11,100	12,500	14,300	15,900
HI		8,700	11,400	13,800	16,500	21,200	26,100
GLADES	6,399						
LOW		6,300	6,300	6,200	6,000	5,200	4,000
MED		6,800	7,500	8,200	8,800	10,000	11,200
HI		7,400	8,700	10,200	11,600	14,900	18,300
GULF	10,712						
LOW		9,900	9,100	8,500	7,700	6,700	5,100
MED		10,800	10,800	11,100	11,300	12,900	14,300
HI		11,600	12,600	13,800	14,900	19,000	23,400
HAMILTON	8,764						
LOW		8,100	7,400	6,900	6,200	5,400	4,200
MED		8,800	8,800	9,100	9,200	10,500	11,600
HI		9,500	10,200	11,300	12,100	15,500	19,100
HARDEE	19,969						
LOW		19,600	19,400	19,200	18,700	18,000	16,200
MED		20,800	22,000	23,400	24,600	28,100	31,200
HI		22,100	24,600	27,600	30,500	38,100	46,200
HENDRY	20,317						
LOW		20,900	22,600	23,500	23,900	23,000	20,800
MED		22,300	25,700	28,700	31,500	36,000	40,000
HI		23,600	28,800	33,900	39,100	48,900	59,200
HERNANDO	52,973						
LOW		59,200	71,500	76,300	81,400	78,200	70,700
MED		62,900	81,200	93,100	107,100	122,200	135,900
HI		66,700	91,000	109,800	132,800	166,200	201,100
HIGHLANDS	52,037						
LOW		53,800	58,200	60,700	61,800	59,400	53,700
MED		57,200	66,200	74,000	81,400	92,900	103,300
HI		60,600	74,100	87,400	100,900	126,300	152,800
HILLSBOROUGH	677,733						
LOW		688,600	722,500	753,300	769,100	794,400	790,200
MED		717,300	785,400	856,100	915,600	1,045,300	1,162,100
HI		745,900	848,200	958,800	1,062,100	1,296,200	1,533,900
HOLMES	15,319						
LOW		15,200	15,500	15,800	15,600	15,000	13,600
MED		16,200	17,700	19,200	20,600	23,500	26,100
HI		17,200	19,800	22,700	25,500	31,900	38,600

Table 1.--Florida state and county population estimates for April 1, 1982, and projections for 1985-2020 (continued)

COUNTY	ESTIMATE APRIL 1 1982	PROJECTIONS, APRIL 1 1985	1990	1995	2000	2010	2020
INDIAN RIVER	66,915						
LOW		70,900	79,400	84,200	87,600	84,200	76,100
MED		75,400	90,200	102,700	115,200	131,600	146,300
HI		79,900	101,000	121,100	142,900	178,900	216,500
JACKSON	39,657						
LOW		38,000	36,700	36,000	34,500	33,200	30,000
MED		40,500	41,700	43,900	45,400	51,800	57,600
HI		42,900	46,700	51,800	56,300	70,500	85,300
JEFFERSON	10,993						
LOW		10,500	10,300	10,000	9,500	8,300	6,400
MED		11,500	12,300	13,100	13,900	15,900	17,600
HI		12,400	14,200	16,300	18,400	23,500	28,900
LAFAYETTE	4,076						
LOW		4,000	4,100	4,000	3,900	3,400	2,600
MED		4,300	4,800	5,300	5,800	6,600	7,300
HI		4,700	5,600	6,600	7,600	9,700	12,000
LAKE	111,559						
LOW		116,800	127,800	135,100	141,200	145,900	145,100
MED		121,700	139,000	153,500	168,100	191,900	213,400
HI		126,600	150,100	171,900	195,000	238,000	281,700
LEE	227,259						
LOW		247,400	286,100	313,100	336,500	347,600	345,700
MED		257,700	311,000	355,800	400,600	457,400	508,500
HI		268,000	335,900	398,500	464,700	567,100	671,200
LEON	156,043						
LOW		161,700	174,900	185,100	192,800	199,100	198,100
MED		168,500	190,100	210,400	229,500	262,000	291,300
HI		175,200	205,300	235,600	266,200	324,900	384,500
LEVY	21,531						
LOW		22,100	23,500	24,300	24,700	23,800	21,500
MED		23,500	26,800	29,600	32,500	37,100	41,300
HI		24,900	30,000	34,900	40,300	50,500	61,100
LIBERTY	4,353						
LOW		4,200	4,000	3,900	3,600	3,200	2,400
MED		4,500	4,800	5,100	5,300	6,100	6,800
HI		4,900	5,500	6,300	7,000	9,000	11,100
MADISON	15,051						
LOW		14,400	13,700	13,100	12,400	11,900	10,800
MED		15,300	15,600	16,000	16,400	18,700	20,800
HI		16,200	17,500	18,900	20,300	25,400	30,700
MANATEE	158,974						
LOW		165,800	181,200	191,400	199,200	205,700	204,600
MED		172,700	197,000	217,500	237,100	270,700	300,900
HI		179,600	212,800	243,600	275,000	335,600	397,200
MARION	135,087						
LOW		146,200	167,600	181,400	195,000	201,400	200,300
MED		152,300	182,200	206,200	232,100	265,000	294,600
HI		158,400	196,800	230,900	269,200	328,500	388,800
MARTIN	71,635						
LOW		77,200	87,700	94,600	98,900	95,100	85,900
MED		82,100	99,700	115,400	130,100	148,600	165,200
HI		87,100	111,600	136,200	161,400	202,100	244,500
MONROE	65,748						
LOW		63,900	62,300	60,800	58,500	56,200	50,800
MED		67,900	70,800	74,100	76,900	87,800	97,700
HI		72,000	79,300	87,500	95,400	119,500	144,500
NASSAU	35,458						
LOW		36,000	37,900	39,300	39,700	38,200	34,500
MED		38,300	43,100	48,000	52,300	59,700	66,300
HI		40,600	48,300	56,600	64,800	81,200	98,200

Table 1.—Florida state and county population estimates for April 1, 1982, and projections for 1985-2020 (continued)

COUNTY	ESTIMATE APRIL 1 1982	PROJECTIONS, APRIL 1 1985	1990	1995	2000	2010	2020
OKALOOSA	117,177						
LOW		118,800	124,600	129,200	132,000	136,300	135,600
MED		123,700	135,400	146,900	157,100	179,400	199,400
HI		128,700	146,300	164,500	182,300	222,400	263,200
OKEECHOBEE	22,435						
LOW		23,300	25,200	26,200	26,700	25,600	23,200
MED		24,800	28,600	31,900	35,100	40,100	44,500
HI		26,200	32,000	37,600	43,500	54,500	65,900
ORANGE	494,756						
LOW		505,300	533,700	555,400	568,400	587,100	584,000
MED		526,400	580,100	631,100	676,700	772,500	858,800
HI		547,400	626,500	706,800	784,900	957,900	1,133,600
OSCEOLA	59,185						
LOW		64,700	75,800	80,900	85,500	82,200	74,300
MED		68,800	86,100	98,700	112,500	128,400	142,800
HI		73,000	96,400	116,500	139,500	174,700	211,300
PALM BEACH	637,940						
LOW		684,200	775,800	830,300	882,800	901,800	907,000
MED		712,700	843,200	943,500	1,051,000	1,199,800	1,333,900
HI		741,200	910,700	1,056,700	1,219,100	1,487,800	1,760,700
PASCO	211,852						
LOW		234,500	274,200	304,300	328,700	339,500	337,700
MED		244,300	298,000	345,800	391,300	446,700	496,600
HI		254,100	321,800	387,300	453,900	553,900	655,500
PINELLAS	755,937						
LOW		767,700	800,600	824,200	839,000	866,600	862,000
MED		799,700	870,400	936,600	998,800	1,140,300	1,267,700
HI		831,700	940,000	1,049,000	1,158,600	1,414,000	1,673,400
POLK	338,865						
LOW		347,900	371,900	389,600	399,600	412,800	410,600
MED		362,400	404,200	442,700	475,700	543,100	603,800
HI		376,900	436,600	495,800	551,900	673,500	797,000
PUTNAM	52,901						
LOW		52,800	54,200	54,700	54,300	52,200	47,200
MED		56,200	61,600	66,700	71,500	81,600	90,700
HI		59,500	68,900	78,700	88,600	110,900	134,200
ST. JOHNS	57,097						
LOW		60,300	67,100	71,300	74,300	71,400	64,500
MED		64,200	76,300	86,900	97,800	111,600	124,100
HI		68,000	85,400	102,500	121,200	151,800	183,600
ST. LUCIE	100,984						
LOW		110,100	127,500	137,400	147,700	152,600	151,800
MED		114,700	138,600	156,100	175,900	200,800	223,200
HI		119,200	149,700	174,800	204,000	248,900	294,600
SANTA ROSA	58,598						
LOW		58,900	60,900	61,900	61,700	59,300	53,600
MED		62,600	69,300	75,400	81,200	92,700	103,000
HI		66,400	77,600	89,000	100,700	126,000	152,500
SARASOTA	215,443						
LOW		228,700	253,800	271,300	287,400	296,900	295,300
MED		238,200	275,900	308,300	342,100	390,600	434,200
HI		247,700	297,900	345,300	396,900	484,300	573,200
SEMINOLE	195,133						
LOW		212,900	244,700	269,000	288,700	298,200	296,600
MED		221,700	266,000	305,700	343,700	392,400	436,200
HI		230,600	287,300	342,400	398,700	486,500	575,800
SUMTER	25,295						
LOW		26,100	28,000	28,800	29,400	28,200	25,500
MED		27,800	31,800	35,200	38,600	44,100	49,000
HI		29,400	35,600	41,500	47,900	60,000	72,600

Table 1.—Florida state and county population estimates for April 1, 1982, and projections for 1985-2020 (continued)

COUNTY	ESTIMATE APRIL 1 1982	PROJECTIONS, APRIL 1 1985	1990	1995	2000	2010	2020
SUWANNEE	2[illegible],883						
LOW		24,300	25,600	26,400	26,500	25,500	23,000
MED		25,800	29,100	32,100	34,900	39,900	44,300
HI		27,400	32,600	37,900	43,300	54,200	65,600
TAYLOR	17,150						
LOW		16,900	17,200	17,200	17,100	16,400	14,800
MED		18,000	19,600	21,000	22,400	25,600	28,500
HI		19,100	21,900	24,800	27,800	34,900	42,200
UNION	11,307						
LOW		10,700	10,300	10,000	9,500	8,300	6,400
MED		11,600	12,300	13,200	13,900	15,900	17,700
HI		12,500	14,300	16,400	18,400	23,600	29,000
VOLUSIA	276,813						
LOW		290,800	319,200	341,200	359,100	379,900	368,900
MED		302,900	346,900	387,800	427,500	488,000	542,600
HI		315,000	374,700	434,300	495,900	605,100	716,200
WAKULLA	11,084						
LOW		11,000	11,300	11,200	10,800	9,500	7,300
MED		12,000	13,500	14,700	16,000	18,200	20,200
HI		12,900	15,700	18,200	21,100	27,000	33,200
WALTON	22,244						
LOW		22,500	23,400	24,100	24,200	23,300	21,000
MED		23,900	26,600	29,300	31,800	36,300	40,400
HI		25,300	29,800	34,600	39,500	49,400	59,800
WASHINGTON	15,016						
LOW		14,800	15,000	15,000	14,800	14,200	12,800
MED		15,800	17,000	18,300	19,400	22,200	24,700
HI		16,700	19,100	21,600	24,100	30,200	36,500
FLORIDA	10,375,332						
LOW		10,694,300	11,539,700	12,261,100	12,918,100	14,053,600	14,974,300
MED		11,155,600	12,478,700	13,683,800	14,820,700	16,919,700	18,810,200
HI		11,386,200	12,948,200	14,478,600	15,940,500	18,880,000	21,821,200

jection for each year (except for slight differences due to rounding). For the high and low series, however, the sums of the county projections do not equal the state projections. The reason for these differences is that potential variation around the medium projection is much greater at the county level than the state level.

Population Program
Bureau of Economic and Business Research
University of Florida
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CHERYL WALDMAN
CONGRESSIONAL INFO SERVICES
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